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ABSTRACT

Estimates of the occupational composition of employment by industries for 1960 and projections for 1970 are presented, with occupational profiles for 116 industries including all types of economic activities. Total employment percentages are included for about 160 occupational categories classified in broad occupational groups. Industry-occupational ratios projected to 1975 were used to determine future occupational employment requirements by applying them to projections of total employment in each industry for 1975. An average of 89 million persons are expected to be at work by 1975, an increase of one-third over the 67 million employed in 1960. The labor force of 1975 will be composed of a larger proportion of young persons. Employment requirements for all non-agricultural occupations are projected to increase 39 percent. White collar workers will continue a long-term high rate of growth to include almost half of all employed workers by 1975. The number of blue collar jobs is expected to increase, but proportionally will fall to about one-third of the total employment. The service workers group is expected to require more than 4 million additional workers, a 50 percent increase. Requirements for farmers and farm laborers are expected to decline by more than 37 percent by 1975. The document contains statistical data and extensive tables and charts. (FP)

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OCCUPATIONAL EMPLOYMENT PATTERNS FOR 1960 AND 1975

A Study Sponsored by the Manpower Administration

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A Study Sponsored
by the MANPOWER ADMINISTRATION

December 1968
Bulletin No. 1599

U.S. DEPARTMENT OF LABOR
Willard Wirtz, Secretary

BUREAU OF LABOR STATISTICS
Ben Burdetsky, Acting Commissioner

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Preface

The estimates presented here on the future occupational composition of employment for industries and for the entire United States are part of the continuing work of the Bureau of Labor Statistics on evaluation of the country's manpower needs and resources. Estimates of occupational requirements are being made by agencies in many local areas. The results of such studies are used to plan local manpower training programs. Since the Vocational Education Act of 1963, State government agencies have been increasingly concerned with projections of occupational employment requirements for use in planning statewide training and education programs. The projections of employment composition by occupation of this report are for the Nation as a whole. It is hoped that the national projections developed in this report will assist State and local manpower analysts, as well as provide information for national manpower policy and planning. The ratios developed for this report will also be included in Tomorrow's Manpower Needs: National Manpower Projections and a Guide to Their Use as a Tool in Developing State and Area Manpower Projections. The latter publication is expected to be published later this year or early in 1969. It will contain much information useful to State and area manpower planners.

The study was conducted with major financial support by the Manpower Administration, U. S. Department of Labor. The report was prepared in the Bureau's Office of Manpower and Employment Statistics. The major part of the analysis was carried out in the Division of Occupational Employment Statistics under the supervision of Harry Greenspan. Important assistance was provided by the staff of the Division of Manpower and Occupational Outlook. Major contributions to the report were made by Richard Dempsey, Sandra Robinson, Norman Root, James P. Metcalf, Joseph J. Kilgallon, Chester Schimmel, Rose Nassis, Arthur Gartaganis and Clara Belair.

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Occupational Employment Patterns, 1960 and 1975

Introduction

This report presents estimates of the occupational composition of employment by industry for 1960, the year of the first published matrix, and projections for 1975. Occupational profiles were prepared for 116 industries which include all types of economic activity. The percent of total employment in each industry was developed for about 160 occupational categories classified in 10 broad occupational groups which comprise all types of work. Industry-occupational ratios projected to 1975 were used to determine future occupational employment requirements by applying them to projections of total employment in each industry for 1975.

Information on the numbers currently employed in specific occupations and estimates of future employment requirements by occupation are of increasing concern to educators, economists, and government officials. If the Nation is to maintain a high rate of economic growth and approach national objectives for education, health, improvement of urban life, and elimination of poverty, workers must be employed at increasingly productive jobs. In order to avoid human waste and decay, those who wish to work must be able to find jobs that test their abilities. To achieve these aims, a reasonable balance is necessary between the skill requirements of a rapidly changing technologically advanced economy and the skills possessed by the labor force. Both serious skill shortages and high unemployment must be avoided.

To an ever greater extent employment opportunities are related to skills which are acquired by specialized training or extensive general education. For a high proportion of work it is not possible for a worker to obtain employment or to move from an occupation in which employment opportunities have diminished, to another for which there is an insufficient supply of workers, without taking specialized training or moving initially to low-skilled and low-paid work. However, not all occupations that require long training or formal education offer equally good employment opportunities. It is necessary to anticipate the number likely to be required in important occupations in order to plan training programs and educational curricula and to determine manpower policies. To avoid major differences in the requirements and supply of workers for particular occupations, it is desirable to develop long-term projections of the number of workers that will be needed for use with information on the current supply and future attrition to derive the number that should be trained.

The occupational patterns which are the primary focus of this study provide the means of translating projections of total employment in each industry, into occupational employment by industry, and for the entire economy.

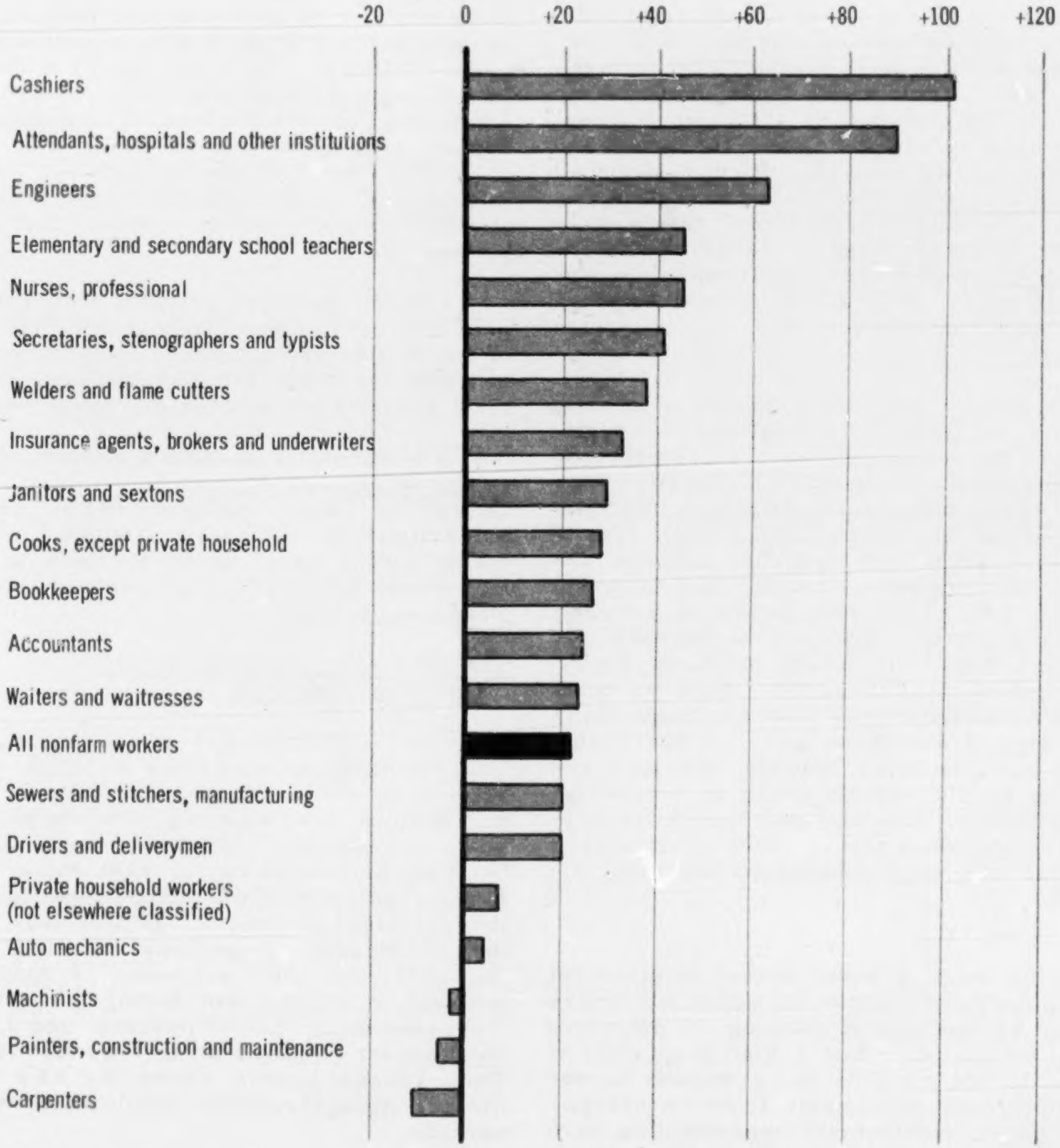
A forthcoming corollary report, Tomorrow's Manpower Needs, four volumes by the Bureau of Labor Statistics (BLS), presents projections of national manpower requirements and a brief guide to their use as a framework for developing State and area manpower projections.

The Variability of Occupational Employment Growth

The expansion and development of the U.S. economy generates a much greater growth in some occupations than in others and despite increasing total employment, some occupations decline in importance and become obsolete as can be seen most clearly in a comparision of the occupational data from the decennial censuses. (Chart 1.) Among the 20 largest occupations reported in both the 1950 and 1960 censuses, 1 more than doubled in employment during the 1950's, 3 increased more than 60 percent, and 3 others had smaller employment in 1960 than in 1950. The average growth shown by the census for all nonagricultural employment was 22 percent.

Nor does the rate of growth in individual occupations in one decade provide a reliable indicator of their growth in the succeeding decade. For example, the number of telephone operators grew almost 80 percent in the 10 years ending in 1950 but was no greater

Chart 1. Percent Change in Employment for the 20 Largest Nonfarm Occupations, 1950 to 1960



Source: U.S. Department of Commerce, Bureau of the Census, *U.S. Census of Population 1960, United States Summary, Detailed Characteristics*, PC (1) 1D, U.S., Table 202.

at the end of another 10 years. The number of auto service and parking attendants increased only 8 percent between 1940 and 1950, but grew almost 50 percent between 1950 and 1960. Elementary and secondary school teachers were only 11 percent more numerous in 1950 than in 1940, but increased almost 50 percent in the following 10 years.

Between decennial censuses reliable information on employment is available only for a small number of individual occupations. Since 1947, however, annual average employment estimates have been developed for all broad occupational groups based on a sample survey of households.[1]

Nonfarm employment increased about 30 percent between 1950 and 1965. The number of professional and technical workers in 1965 was about double the number in 1950. Clerical workers and service workers except private household workers also grew relatively rapid and consistently (46 and 52 percent). Employment of managers, salesworkers, and private household workers grew at about the same rate as total employment but more slowly than the total for nonfarm workers. Employment of nonfarm blue-collar workers (the craftsmen, operatives, and laborers groups) increased at less than half the rate for all of nonfarm employment and thus declined relatively. Farm workers were the only broad group to decline absolutely as well as relatively. The long-term decline in farm workers appears to have accelerated since the end of World War II. The farm work force of 1965 numbered not much more than three-fifths that of 1950. (See table 1.)

Table 1. Change in Employment by Broad Occupational Group, 1950–65

Occupational group	Employment growth (in millions)	Percent change 1950–65
Total	12.5	21
Total less farm workers	15.7	30
White-collar	9.7	43
Professional, technical, and kindred workers	4.4	98
Managers, officials, and proprietors	.9	14
Clerical and kindred workers	3.5	46
Salesworkers	.9	23
Blue-collar	3.1	13
Craftsmen, foremen, and kindred workers	1.6	20
Operatives	1.2	10
Laborers	.3	10
Service workers	2.8	43
Private household workers	.4	20
Other service workers	2.4	52
Farm workers	−3.1	−42
Farm owners and managers	−2.1	−49
Farm laborers and foremen	−1.0	−33

NOTE: Detail may not add to totals because of rounding.

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[1] Before February 1966, occupational data from the monthly survey of households were published regularly by the Bureau of Labor Statistics in The Monthly Report on the Labor Force and in Employment and Earnings. Beginning in February 1966, both publications were combined to form the Employment and Earnings and Monthly Report on the Labor Force. Before July 1959, the data were published by the Bureau of the Census in Current Population Reports, Series P250, Annual Report on the Labor Force.

However, employment trends for broad occupational groups are not a reliable indicator of the trends for individual occupations within each group. For example, the professional and technical workers were the fastest growing group, increasing 47 percent between the 1950 and 1960 census. None of the traditional "learned" professions equaled the growth for the group—clergymen, lawyers, and doctors each increasing less than 20 percent in numbers employed. Service workers (except private household workers) increased 27 percent, but of the 28 census detailed occupational categories which make up this group, all but 10 had rates of growth which were less than 5 percent or greater than 50 percent.

Because of the scarcity of current data on employment in detailed occupations between censuses, the variability of employment growth among occupations from one decade to the next, and the different rates of growth for detailed occupations within a broad occupational group, it is difficult to establish predictive relationships between occupational employment and the factors that generate occupational employment requirements.

Occupational Employment Factors

The demand for workers—in total and differentiated by skill—rests upon the demand for goods and services and the technological, economic, and social conditions for production. For example, the demand for automobiles translates into the employment of a variety of auto plant workers, steel workers, iron ore miners, auto salesmen, auto mechanics, and gas station attendants. Other patterns of employment could be traced from the demand for food, clothing, shelter, education, amusement, and other needs and desires of an increasingly educated, mobile, wealthy population.

Each industry employs labor in a unique combination of occupational skills together with other factors of production to achieve the least cost for its output. That is, managers of enterprises in a particular industry in their efforts to maximize profits must compare, through engineering studies or in a less formal manner, the relative cost of various combinations of equipment and workers that can be used to produce the goods or services of the industry.

As changes occur in the demand for the products of each industry, in the technological arrangements for production that are possible, and in the supply (cost) of various types of labor and other factors of production, the employment requirements for workers who have different skills also change.

One approach to examining the future demand for labor subdivided by skill or occupation is to consider:

(a) The future total employment required in each industry, and

(b) The occupational composition of total employment in each industry and the changes in composition likely to result from changes in the technological, economic, and social basis for production.

The application of the future occupational ratios to the projected industry employment total yields estimated employment by occupation for the industry. If all industries are included, the procedure provides a systematic and complete analysis of future occupational requirements for the entire economy.[2]

The BLS Industry-Occupational Employment Table

As part of its work on occupational information and as a step in a complete system for projection of employment requirements by occupation, the Bureau has prepared a table showing the occupational composition of industry employment in 1960. Including residuals, the base-period matrix for 1960 shows the cross relation of employment for 173 occupations and 124 industries.

The basic source for relatively detailed and complete information on the occupational composition of industry employment for the U.S. economy is the U.S. Census Bureau's Occupation by Industry report based on the 1960 census.[3] The BLS occupation by industry table depends on but differs from the census report. The major differences are (1) the BLS table has been made consistent with data which are available annually and which are the basis for projections of total U.S. employment and employment by industry; and (2) the BLS table uses occupational employment data from a number of other sources as well as from the census. A more detailed description of the BLS industry-occupational employment table is given in the paragraphs below.

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[2] Occupational employment requirements can be and are projected also in other ways. For a number of occupations employment requirements can be related more directly to significant variables. For example, the number of teachers needed can be estimated from projections of the number of students and an acceptable student-teacher ratio. Estimates developed in this way can be incorporated into the system of industry-occupational ratios as explained later.

[3] U.S. Bureau of the Census, U.S. Census of Population: 1960, Subject Reports, Occupation by Industry, Final Report PC(2)-7C, 1963.

The detailed occupations in the BLS industry-occupational employment table include those which require extensive formal education, or other specialized training, and others which employ large numbers of people. Because of the interest in occupations which require a long training period, many of the detailed occupations in the table are in the professional, technical, or craftsmen groups. The occupational titles in the table are generally similar to those used by the Census Bureau in its tabulations of Census of Population data.[4] The table also follows the census system of classifying detailed occupations into broad socioeconomic groups such as professional and technical, managerial, clerical, laborer, etc. Residuals are shown for each socioeconomic group, so that the occupational list is exhaustive for all employment. The occupations are listed in appendix A where differences in definition with published census titles are indicated.

Criteria for separate identification of industrial sectors in the industry-occupational table were that the industry employ an appreciable number of workers in the detailed occupations shown, and that the production processes and technology require an occupational structure differing from that of other industries. Industries particularly subject to technological change or rapid growth should also be treated separately. Since changes in industry employment are indicative of changes in employment for the occupations found in the industry, it is important that the industries in the table be those for which current and historical data on employment, output and productivity, or other information, provide a basis of projecting the growth or decline in employment that is expected between the base year and the projected year. The industry list for the industry-occupational matrix is also exhaustive and can be summarized to two-digit and one-digit Standard Industrial Classificational (SIC) levels. The occupational matrix industries, identified by codes from the SIC, are shown in appendix B along with employment estimates for 1960 and 1975.

The 1960 table would be more useful if greater detail than now shown were incorporated in a number of areas. Most of the occupational patterns are for three-digit or a combination of the three-digit SIC industries in manufacturing, communications, public utilities, and wholesale trade. The patterns are generally at the two-digit SIC level for other industries. Only a single occupational pattern is shown for the entire construction industry. The occupational mix required for highway and bridge construction is unlike the occupational mix required for housing construction. If an attempt were made to assess the occupational impact of a sharp change in highway construction activity, the current table would not be sufficiently specific. The potential usefulness of the industry-occupational matrix would be improved if greater industry detail than now included were shown for the construction and some other industry sectors, particularly those industries associated with defense, social welfare, and space programs. The statistics available for preparing occupational patterns for the areas most in need of refinement are less complete in occupational detail and may be poorer in other aspects than the data now in the matrix. However, attempts to develop occupational patterns in greater industry detail will be made when time permits. Significant improvements in the table are expected as a result of the new program being launched by BLS to collect occupational data directly from employers. Under the new program, regular surveys will be made of the current occupational structure of detailed industries which employ significant numbers of workers in occupations which require extensive training.

Sources of Data

In searching for data, an important objective was to locate sources which provide occupation and industry employment estimates annually or more often, so that the changes in occupational patterns by industry, and for the economy, could be examined closely for their relation to technological change, more rapid growth of some industries than for others, etc. However, the data which show employment by occupation within detailed industries on an annual basis are not very extensive and major reliance was placed on census data which are available only every 10 years. Because of the intended use of the matrix to project occupational requirements, it was essential to develop data which were consistent with and related as closely as possible to data which are the basis for projections of total employment and employment by industry.

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[4] In the Census system, the composition of each occupational category is shown by a listing of the occupational titles which are included in the category. See 1960 Census of Population, Classified Index of Occupations and Industries, U.S. Bureau of the Census, 1960.

Total Employment. Data collected each month through a nationwide survey of households and published in Employment and Earnings and Monthly Report on the Labor Force (EEMRLF) are recognized as the authoritative estimates of total employment for the U.S. economy. The estimates are based on data gathered for the BLS by the Bureau of the Census by carefully trained interviewers from a sample of 52,500 households. All classes of workers are included—the self-employed and unpaid family workers as well as wage and salary workers. The household survey data on trends in labor force participation rates by age and sex are the basis for projections of the total size of the labor force and of total employment under various assumed levels of unemployment. The annual average of the monthly estimates was used as the estimate of total employment in the 1960 industry-occupational employment table. At present, the estimates refer only to the primary job of each person and exclude the additional jobs of those who have more than one.

Occupational Group Totals. The household survey also develops estimates of employment for occupational groups, and a few detailed occupations which employ significant numbers of people.[5] In a household-type survey there are problems of occupational upgrading and lack of knowledge by the householder respondent as to the correct title or description of the workers' occupation, as well as sampling error. Nevertheless, if better estimates from other sources were not available, reliance was placed on the household survey. The household survey estimates for certain large blocs of workers are considered to be the best available at this time. Except for minor variations, the estimates for 1960 for the following occupational groups were considered as control totals for the detailed occupations included in each group.

Professional and technical workers
Managers, officials, and proprietors

Stenographers, typists, and secretaries
Other clerical workers
Salesworkers

Carpenters
Construction craftsmen, except carpenters
Mechanics and repairmen
Metal craftsmen, except mechanics
Foremen, not elsewhere classified
Other craftsmen and kindred workers

Drivers and deliverymen
Other operatives

Nonfarm laborers

Private household workers
Other service workers

Farm workers

Total Employment in Each Industry. Estimates of total employment for each matrix industry were developed to include all classes of workers—the self-employed and unpaid family workers, as well as those who work for wages or salaries. Workers holding two jobs or more were counted only in the industry of their primary job. Employment by Federal, State, and local governments was separated into public and nonpublic administration activities such as education, hospital operation, highway construction, water supply, and other utility operation. Government employment in the latter activities was combined with estimates of employment in the private sector for the same activities to arrive at total employment for each type of activity because for most industries the occupational patterns available from population census tabulations were on this basis.

No single source at present provides employment information annually or at other frequent intervals, for all classes of workers, in the industry detail desired for the matrix, However, detailed industry estimates for the great bulk of employment—the private wage and salary workers—are developed monthly and annually in the BLS Industry Employment Statistics series. Excluding workers in agriculture, private households, and government, the BLS estimates of private wage and salary workers accounted for about 85 percent of total employment in 1960.[6] In most of the detailed industries in mining, manufacturing, transportation, and communication private wage and salary workers make up 95 percent of total employment or more. In other industries, information on the number of government workers, obtained from the Survey of Governments, from unemployment insurance statistics, and from the U. S. Civil Service Commission, when added to data on private wage and salary workers, come close to total employment. On the other hand, in agriculture, construction, retail trade, and many of the service industries, such as barber and beauty shops, repair service, legal services, and medical services other than hospitals, self-employed or unpaid family workers constitute an appreciable portion of employment. Statistics from the population census, the monthly household survey of the labor force, and other sources provide information on the number of self-employed and unpaid family workers in each industry group.

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[5] Data are collected by the Bureau of the Census through the Current Population Survey. The occupational classification system is the same as that used for the decennial censuses.

[6] In 1960 the BLS industry survey estimate of private wage and salary workers was 69 percent of the household survey estimate of total U.S. employment (all industries, all classes of workers). The latter survey also estimates separate employment in agriculture and private households.

Using the BLS estimates of wage and salary employment in each industry as a base, estimates for the other classes of workers developed from the sources mentioned were added (and an estimate of the number of dual jobholders subtracted), and the sum of the totals for detailed industries was forced to agree with the estimate of total U. S. employment from the household survey.[7] This procedure provides a bridge between the BLS industry employment statistics (wage and salary workers only), and the total number of workers concept used by the Census Bureau in the occupation by industry data from population census and also used for the monthly household survey of the labor force.

Thus the industry estimates are related in a specified manner to the large mass of frequently available industry employment data (wage and salary workers) which are the basis for detailed projections of industry employment. The estimates are also the same in type of workers included and excluded as the basic occupation by industry data of the population census. Finally, total employment has been made equal to total national employment developed from the monthly household survey, which is used in projections of the total number of employed workers.

Detailed Occupations—Total Employment and Number in Each Industry. The only complete set of data which show the simultaneous distribution of total employment in the United States to a rather detailed set of occupations and industries, is based on information collected during the decennial censuses. For 1960, the census publication shows the distribution of 297 occupational categories to 149 industries.[8] Similar tables were published after the 1950 census, and tables showing less detail were published after other censuses. The census data are the essential, basic source for much manpower analysis and policy development.

However, census data differ from industry and occupational estimates in other sources which are considered more reliable, and some of the differences are appreciable.

a. Occupational information was not available from the census for about 4.7 million workers, or 7 percent of the labor force reported by the monthly household survey. The total was composed of 3.2 million workers who did not report their occupations, and a 1.5 million undercount of employment compared with the estimates of the monthly household survey. Available evidence indicates that the undercount is not related in a simple proportionate manner to the size of total employment which the census reported in each occupation.[9]

b. Other sources are believed to provide more reliable data for selected occupations, or occupational groups than do census statistics. These sources accounted for about three-fifths of all professional and technical workers and about one-fifth of all nonagricultural employment.[10]

c. Census data are available only once every 10 years.

d. Census estimates differ from data which are used to project total U.S. employment (monthly household survey data published in EEMRLF). They also differ from current estimates which are the basis for projections of employment in detailed industries (the BLS industry employment series).

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[7] The forcing procedure was in steps by industry group. None of the differences between the initial estimates and the final estimates was larger than 2.5 percent.

[8] U.S. Bureau of the Census, U.S. Census of Population: 1960 Subject Reports Occupations by Industry, 1963.

[9] See U.S. Bureau of the Census—Evaluation and Research Program of the U.S. Censuses of Population and Housing, 1960. The Employer Record Check; and Evaluation and Research Program of the U.S. Censuses of Population and Housing, 1960. Accuracy of Data on Population Characteristics as Measured by CPS-Census Match.

[10] For a description of sources and characteristics of occupational statistics, see Occupational Employment Statistics: Sources and Data, Report 305, U.S. Department of Labor, Bureau of Labor Statistics, 1966.

The BLS estimates of employment for detailed occupations in detailed industries were obtained in two general ways. For a number of occupations, estimates from sources considered reliable, which provide data annually or every few years, were used. In addition to broad occupational group estimates from the monthly household survey, the following data were considered preferable to census statistics: Employment of scientists and engineers by industry based on BLS surveys of employers; employment of teachers and librarians based on data collected by the Office of Education; employment by occupation data collected by regulatory agencies for interstate industries including railroads, airlines, telephone and telegraph communications, and pipelines; employment data collected by professional societies, especially medical and health occupations; selected data from BLS industry and community wage surveys; information from the Post Office Department on employment by occupation in the Post Office; and Federal Civil Service Commission statistics on employment by occupation in other Federal Government agencies.[11]

The second general method was used for occupations for which employment data were not available annually, or at some other relatively short interval. For these occupations, data from the 1960 Population Census Occupation by Industry, tables were adjusted for undercount and other differences with data from preferred sources, such as annual averages from the monthly household survey and the BLS industry employment estimates. The differences were available only at various summary levels. Adjustment of the detailed occupations in detailed industries was accomplished by forcing census estimates alternately to industry employment totals, and to occupational group totals, obtained as described above. The alternate forcing was repeated until the data in the internal cells were consistent with both sets of marginal controls. Although many of the estimates in the table depend on census data, few, if any, are identical and approximately one-third of the internal cells of the table which are not zero are filled by reference to sources other than the census.

Since data in the 1960 matrix were brought together from many sources, no simple expression is possible of mathematical measures of reliability such as sampling error. However, the procedures adapted are believed to provide a useful set of data for estimates of employment by occupation in each industry in 1960, and for use as a base for projection of employment requirements to future years.

Projection of Occupational Employment Patterns for Each Industry

The major purpose of this study has been to develop occupational ratios for each industry to be used as a tool in projecting occupational employment requirements. Projection of the occupational structure of each industry was based on examination of historical statistics and evaluation of other information, such as descriptions of new machinery and methods, new raw materials, and other factors that might help to explain changes in occupational structure.

Initially, the available historical statistics on the changing occupational composition of detailed industries were projected by simple time trend. Data on employment in each occupation in each industry were available from the population censuses of 1950 and 1960. For some industries, data were also available from other sources. The occupational employment levels were converted to ratios of total employment in each industry.[12]

The trend for each occupational ratio, whether from the census data or another source was extended to 1975, and the indicated change from the 1960 level was added to the appropriate ratio in the base period (1960) industry-occupational employment table which is described in the previous section of this report.

In the mining and manufacturing industries, monthly and annual data were available through 1965 on the number of production workers, as well as on total employment, from the BLS industry employment statistics. These data are based on the collection of total employment and production worker employment from business establishments.[13] The industry statistics on the proportion of total employment for production and nonproduction workers were considered preferable to census data, for these very broad occupational groups because they are based on employer reports, rather than reports of household respondents, and because more observations and more recent data were available than from the census. Changes in the production worker ratio through 1965 were plotted and examined. Trend lines were calculated (by least squares procedures) for the ratio of production workers to total employment over time for each mining and manufacturing industry. The production and nonproduction worker trends were used to modify the census trends for the detailed occupations which make up each of the broad groups.

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[11] Ibid.

[12] Some adjustments to the published census statistics were made for greater comparability between 1950 and 1960 as the industry classification of 1960 differed from that of 1950.

[13] For a description of the sources and procedures for compiling the industry payroll employment estimates, see chap. 2 of BLS Handbook of Methods for Surveys and Studies, Bulletin 1458, U.S. Department of Labor, Bureau of Labor Statistics, 1966.

A variety of other statistics covering varying spans of time was gathered and arranged to reveal evidence of trends in employment by occupation for particular industries or for the entire economy. Recent years' data were available on employment by occupation in the Post Office Department and other agencies of the Federal Government. Also examined were statistics on employment by occupational group for a limited number of detailed occupations in railroads, airlines, pipelines, and telephone and telegraph communications. Statistics published by the BLS on the employment of scientists, engineers, and technicians; by the Office of Education for teachers and librarians; and by the Public Health Service for occupations in medical and health work were reviewed. Unpublished data on occupational employment from the Bureau's wage surveys and from the monthly household survey of the population were also arranged in time series and examined for evidence of change in proportionate employment.[14]

After the available statistics on the occupational structure of industries in the postwar period were arranged in time series, efforts were directed to finding the cause of the past changes in occupational structure—i. e., between 1950 and 1960 censuses, or for other postwar periods if data were available from sources other than the censuses. An attempt was made to determine whether the factors of the recent past were likely to continue to affect occupational structure in the period ahead to a similar, greater, or lesser extent. Efforts were made also to uncover emerging factors, which although unimportant before 1960, may be significant between 1960 and 1975.

Ratios for some occupations were adjusted also to agree with estimates made for the total economy based on a direct quantitative relation to the significant demand variable. For example, auto and truck mechanics are found in many industries. In addition to those employed by garages and auto sales agencies, others are employed by gasoline service stations and trucking and taxi companies. Small numbers are found also in many industries which use fleets of trucks or autos. A national estimate of the number of auto and truck mechanics required in 1975 was developed based on estimates of the future number of cars and trucks by age group, frequency of repair rates, and other factors. The ratios for auto mechanics initially developed for each industry were adjusted so that when applied to the industry estimates used with this study the final ratios were consistent with the estimate of total requirements developed for auto mechanics.

Unless bases were found for modification, the past effects of social and technological trends in the post-World War II period on industry employment and occupational composition were assumed to persist to 1975. Thus for many occupational ratios, particularly those of small size, the initial projection—a continuation of past trends—was accepted. On the other hand, projections of ratios of large size are often modifications of past trends based on an analysis of underlying factors. As an increase or decrease in the proportionate employment for one occupation in a particular industry requires offsetting changes in other occupations in the industry, few of the final occupational ratios which are as large as 1 percent, are exact extensions of past trends except by chance.

Interpretation of the Occupational Ratios

The industry-occupational ratios for 1975 are intended to reflect the skill patterns that will be required by the technology of production in each industry in 1975. In developing the occupational structure for each industry, no specific consideration was given to the availability of workers who have the required skills. Yet, many of the industry-occupational ratios for 1975 (particularly those of small size) are an extension of the changes in ratio which were found for 1947–65. Ratios of this type embody a continuation of unidentified past adjustments to shortages (or increasing relative costs) for some of the occupations.

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[14] See Occupational Employment Statistics, Sources and Data, U. S. Department of Labor, Bureau of Labor Statistics, 1966, for a discussion of available occupational employment data.

If the occupational ratios of this report are multiplied by estimates of total employment in each industry in 1975, they yield the occupational requirements implied by a particular mix of industry employment estimates. However, the occupational ratios were developed in relation to particular levels of industry employment—those given in appendix B. Estimates of industry employment which differ appreciably from those shown in appendix B, may imply a difference in scale of operations or modification of production methods and therefore a change in the occupational structure required by the industry.

The industry-occupational patterns of this report represent national averages of the occupational structures of individual establishments in each industry. The current and historical data and also the projected occupational ratios therefore reflect data for establishments which are obsolescent as well as for those which are advanced technologically. They include data for both large and small establishments and for those which produce a number of products, some of which may be outside the classification assigned to the plant on the basis of the major portion of its output. The usefulness of national industry-occupational ratios for analysis of occupational requirements in subnational areas, such as States, depends on the similarity between the State and the Nation in technology, size of establishments, and the product mix for the industries found in the State. Obviously, the occupational pattern for an entire U.S. industry may be inadequate for estimating occupational requirements for a single plant in the United States or abroad.

Interpolation of the occupational ratios between 1960 and 1975 should be done with caution. For example, in the durable goods manufacturing industries a continuation of the long-term decline in the proportionate employment of production workers and especially of laborers and operatives, such as assemblers and machine operators, was projected. However, in the high growth period of 1963–66, proportionate employment of production workers increased and was about the same level in 1966 as in 1960. A simple interpolation of the 1960 and 1975 ratios would indicate ratios below those actually prevailing in 1966 for the mentioned occupations.

Although the occupational ratios are shown to a hundredth of a percent, this is done for practical reasons and not in any sense as an indication of precision. Many occupations are so widely dispersed among industries that only a fraction of 1 percent is found in many industries, and changes can be reflected only by going to the finer level of detail.

The projections of industry-occupational structures that result from the analysis described in this report must be considered tentative and subject to revision. Reliable historical data on the detailed occupational structure of industries are scanty. Much information on the occupational impact of technological change, shifting product mix, and short supply for some occupations, is non-quantitative or estimated in very broad ranges. These factors limit the ability to evaluate the causes of the changes of the past. An additional dimension of uncertainty is added when the scanty data must be used as a foundation for projections. In preparing studies for a set of industries which comprise all economic activity, projections of occupational structure were made for some industries based on data from the 1950 and 1960 censuses, even though there was little information from other sources which helped to explain the trends shown by the census. If information was not found which either validated or provided a basis for modifying trends, the trend was generally extended. However, large changes in occupational ratio between 1950 and 1960 which could not be explained were modified in the projections.

The Bureau is launching a program to collect information from employers on the occupational structure of detailed industries. The new data, together with greater experience and sophistication on the part of persons working with the data, should improve future projections.

Procedures for Projection of Occupational Requirements

The occupational ratios of this report have been applied to a set of industry employment projections developed as described in the paragraphs which follow. This was done primarily for illustrative purposes and the occupational ratios can be used with other sets of industry employment projections for 1975 subject to the qualifications which have been indicated and other qualifications which may apply in the circumstances of a particular study. The illustrative projections depend on other work of the BLS including projections of the labor force, estimates of the future distribution of employment among industries, a great deal of work on the employment outlook for individual occupations, and studies of productivity and technological change for particular industries and processes.

To establish the boundaries for the employment projections, two conditions were specified: An unemployment rate of 3 percent and Armed Forces of 2.7 million men—about the same level as in the period before the Vietnam buildup of 1965–66. The specified size of the Armed Forces is related to an assumption that international tensions will persist through 1975 but that there will be no war and that national security expenditures will be about the level of 1964. Obviously any major departure from the assumed cold war situation would greatly affect the composition of the demand for goods and services and the occupational requirements of the economy.

Labor Force and Total Employment. Projection of the labor force was based on an examination of the distribution of the population 14 years of age and older by age-sex group in the projection year, and analysis of the labor force participation rate for each age-sex group.[15] Total employment was derived by applying a 3-percent unemployment rate to the projected labor force. The 3-percent rate results in a somewhat larger labor force, as well as higher employment than a 4- or 5-percent unemployment rate, because more persons are encouraged to enter the labor force when jobs are relatively easy to find.

Gross National Product. Gross national product (GNP) was estimated to reach $970 billion (in 1960 prices) by 1975 based on projections of total employment, average annual hours of work, and continuation of the postwar rate of productivity improvement. This figure is an increase of about 90 percent for the 15 years.

Industry Employment. Industry employment estimates were developed to be consistent with the projected total for the employed labor force. As in the base period table for 1960, the total for each industry includes all classes of workers—the self-employed and unpaid family workers, as well as the great bulk of employment—those who work for wages and salaries. Government workers in activities similar to those in the private economy are also included, and secondary jobs of workers who have two jobs or more are excluded.

The estimates of total employment in each industry in 1975 depend on combining the results of three approaches to projecting industry employment. In one, GNP is distributed to final demand sectors. The output of each industry then is determined through input-output relations which show the value added to output in the industry of final demand and in all supplying industries per dollar of output in each industry of final demand. Productivity in each industry also is projected to derive labor required per unit of output. Total output and labor required per unit determine total labor requirements.[16] In another approach, employment was projected through a system of equations which relate total employment in each industry to significant variables, such as GNP, population, the unemployment rate, the size of the Armed Forces, and time, and estimates or assumptions concerning the level of selected variables in the projection year. Independent intensive studies of some industries also were available. The results of industry employment projections arising from the three procedures were compared and evaluated to arrive at the estimates which were adopted. Final adjustments made the estimates consistent with the projection of total employment.

Summary of Changes in Occupational Patterns

In 1975 an average of about 89 million persons is expected to be at work if the unemployment rate is close to 3 percent. The projected employment is one-third higher than the 67 million employed in 1960, the base period for the industry-occupational ratios of this report, and 23 percent above the average employment of 72 million in 1965. The indicated rate of employment growth is about 50 percent above the rate of 1950–65. A net increase of 16.5 million jobs is projected between 1965–75 compared with an increase of 9.2 million between 1955–65.

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[15] For a discussion of procedures used in projection of the labor force, see Sophia Cooper and Denis F. Johnston, "Labor Force Projections for 1970-80," Monthly Labor Review, February 1965; also chap. 6 of BLS Handbook of Methods for Surveys and Studies, Bulletin 1458, op. cit.

[16] For a more thorough discussion of the use of input-output techniques to develop industry employment, see Projections, 1970, BLS Bulletin 1536. U.S. Department of Labor, 1966.

The greater growth of total employment for the period ahead, compared with the past, is related in large part to a single factor—the higher birth rates of the years following World War II compared with those of the 1930's and early 1940's, and the basic condition of this study that all but 3 percent of those who seek work will find jobs. Most of those who looked for their first job in 1950–65 were persons born in the 1930's and during World War II. The great majority of the new jobseekers in 1965–75 will be those born in 1947–57. Twenty-seven million persons reached 18 years of age in 1955–65. Thirty-eight million will reach 18 in 1965–75. Net addition to the labor force from the first group was 19 million in 1965. Those reaching 18 between 1965–75 are projected to add 28 million to the labor force by 1975. The labor force of 1975 will have a much larger component of young persons.

How will the rapid growth projected for total employment be distributed among occupations and occupational groups if the occupational pattern projections of this report are applied to industry employment projections? (The projections of total employment in each industry are shown in appendixes B and D.)

Employment requirements for all nonagricultural occupations are projected to increase 39 percent under conditions of 3-percent unemployment. White-collar workers will continue their long-term high rate of growth to include almost half of all employed workers in 1975. Their percent of total is projected to rise from 43 to 48 percent. Among white-collar workers, requirements for the professional and technical group will rise especially rapid and projections to 1975 indicate that 1 in 7 of the employed will be a professional or a technical worker. Requirements for clerical workers will also increase more than the average to make this group one of the two largest by 1975. Requirements for the remaining white-collar groups—managers and salesworkers—will grow at approximately the same rate as total employment (table 1).

The number of blue-collar jobs is projected to increase, but the share for this group will fall to about one-third of total employment. Only the skilled craftsmen group

Table 2. Distribution of Employment, 14 Years of Age and Older, by Broad Occupational Groups, 1960 and 1975

Occupational group	Number (in millions)		Percent	
	1960	1975	1960	1975
All occupations	66.7	88.7	100.0	100.0
White-collar workers	28.7	42.6	43.1	48.1
Professional and technical	7.5	12.9	11.2	14.6
Managers, officials, and proprietors	7.1	9.1	10.6	10.2
Clerical workers	9.8	14.8	14.7	16.7
Salesworkers	4.4	5.9	6.6	6.7
Blue-collar workers	24.2	29.9	36.3	33.8
Craftsmen and foremen	8.6	11.4	12.8	12.8
Operatives	12.0	14.8	18.0	16.7
Nonfarm laborers	3.7	3.8	5.5	4.2
Service workers	8.3	12.7	12.5	14.4
Farm workers	5.4	3.4	8.1	3.8

NOTE: Detail may not add to totals because of rounding.

is projected to grow as fast as total employment. Although operative jobs (generally semiskilled) are expected to increase 2.8 million, the share for this large group will drop. Laborers will remain relatively stable in level of employment and thus decline as a proportion of total.

The service workers' group, which includes occupations such as waitresses, private household workers, janitors, charwomen, cooks, and policemen, is expected to require more than 4 million additional workers. The employment increase of about 50 percent will again raise the proportionate employment for this group which has shown long-term relative growth.

Requirements for farmers and farm laborers are expected to continue to decline—more than 37 percent in the 15 years after 1960 as a result of greater farm mechanization, further reductions in the number of small subsistence farms, the use of improved seeds, the raising of hybrid meat animals, and the application of additional chemicals for growth of plants and for control of insects. The share of total employment for farmers and farm workers will be cut in half, from 8 percent in 1960 to 4 percent in 1975.

The occupational estimates of this report have been prepared in relation to a labor force definition which includes all workers 14 years of age and older. Thus data are consistent with the definition used in the 1960 Census of Population and that used through 1966 for employment estimates based on the monthly survey of households. Beginning with data for 1967 changes in the definition of employment used in the household survey raised the lower age limit from 14 to 16 years of age. Estimates of employment by broad occupational groups in 1960 and preliminary projections to 1975 for workers 16 years of age and older are presented in table 3. Excluding those 14 and 15 years of age reduces the projected employment for 1975 by 1.5 million. About one-third of the difference is in a smaller estimate for private household workers. Employment of other service workers, salesworkers, laborers, and farm workers also are reduced 200,000 or more in projections to 1975.

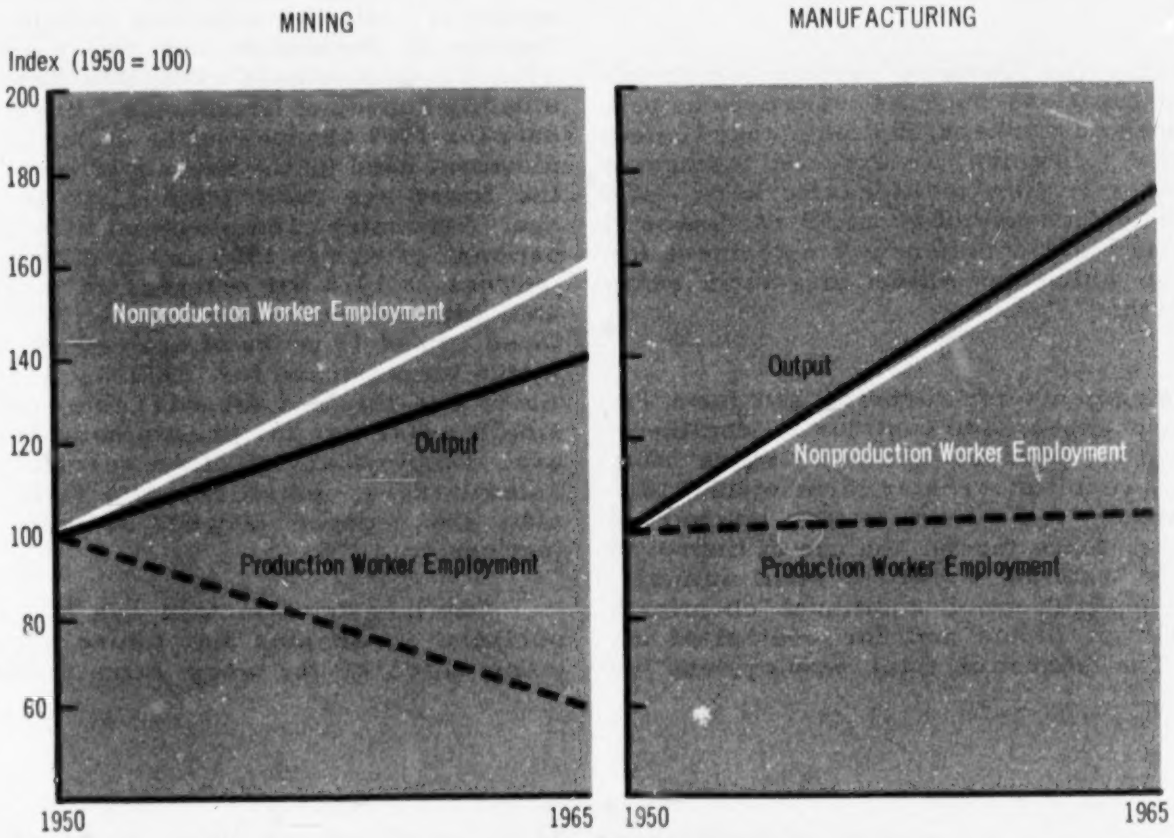
Two long-term factors are of major importance in shaping the future occupational composition of the work force. One is the

Table 3. Distribution of Employment, 16 Years of Age and Older, by Broad Occupational Groups, 1960 and 1975

Occupational group	Number (in millions)		Percent	
	1960	1975	1960	1975
All occupations	65.8	87.2	100.0	100.0
White-collar workers	28.5	42.4	43.4	48.6
Professional and technical	7.5	12.9	11.4	14.8
Managers, officials, and proprietors	7.1	9.1	10.7	10.4
Clerical workers	9.8	14.8	14.8	17.0
Salesworkers	4.2	5.6	6.4	6.4
Blue-collar workers	24.1	29.7	36.6	34.1
Craftsmen and foremen	8.6	11.4	13.0	13.1
Operatives	12.0	14.7	18.2	16.9
Nonfarm laborers	3.6	3.6	5.4	4.1
Service workers	8.0	12.0	12.2	13.8
Farm workers	5.2	3.2	7.8	3.7

NOTE: Detail may not add to totals because of rounding.

Chart 2. Indexes of Output and Employment in Mining and Manufacturing, 1950 to 1965



Sources: Output data are from the U.S. Department of Commerce, Office of Business Economics, Survey of Current Business, April 1967. Employment data are from the U.S. Department of Labor, Bureau of Labor Statistics.

Back-up data - 1965 Indexes, 1950 = 100

Mining
Output = 138
Production Workers = 61
Nonproduction Workers = 162

Manufacturing
Output = 179
Production Workers = 107
Nonproduction Workers = 170

somewhat greater growth in demand for services than for goods.[17] The second is the much greater impact of technological change in reducing the requirements per unit of output of farm and of blue-collar production workers in the goods-producing industries, than of white-collar and service workers in either the goods producing or the service industries.

Most of the service industries such as telephone communications, trade, finance, insurance, education, health, legal services, and government, tend to use relatively high proportions of white-collar and service workers and low proportions of blue-collar workers. In contrast, the goods-producing industries of mining, construction, and manufacturing employ large proportions of blue-collar workers. Thus the greater demand for services generates a more rapid growth in requirements for white-collar and service workers than for blue-collar workers.

Significant changes in occupational structure are expected in many industries. In manufacturing, a 79-percent increase in output occurred between 1950 and 1965; there was only a 7-percent increase of the mostly blue-collar production worker group. The white-collar nonproduction workers in manufacturing increased 70 percent. In mining, output increased 38 percent, white-collar nonproduction workers increased more than 60 percent; and blue-collar production workers declined almost 40 percent over the 1950–65 period (chart 2).

The major factor in this change has been the mechanization and automation of largely manual jobs done by blue-collar production workers. The primary long-term impact has been to reduce sharply the employment share for laborers in the goods-producing industries. The effects on the craftsmen and operatives groups vary by occupation and industry. Increased shares are expected for occupations such as foremen, mechanics, and welders. Reduced shares are projected for mining, some construction, metalworking, and printing occupations, and for the operative residual group in a number of manufacturing industries. The last category includes operators and tenders of specialized machines in food and other manufacturing industries.

The long historical process of reduced requirements for farm labor is continuing because of mechanization. In conjunction with other factors, mechanization is projected to reduce requirements for farm workers an average of 135,000 workers a year over the next decade.

Although mechanization and automation have had their greatest effect on the largely manual and blue-collar type of work, the development of electronic computers creates the possibility of revolutionary changes for many white-collar workers. Computers have a potential for greatly reducing requirements for workers such as accounting clerks, billing, bookkeeping, and calculating machine operators; voucher and file clerks; and others. Computers are beginning to be used to retrieve legal and medical information and thus increase the output per professional worker in these and other fields. They also are used in setting type and in other production operations in manufacturing and so affect the requirements for blue-collar workers as well as white-collar. Computers also generate requirements for various skills. Because they cut costs and time for data processing and information retreival they reinforce the demand for data processing by researchers and managers in industry, government, and universities. Hundreds of thousands of jobs for computer programers, systems analysts, computer operators, keypunch operators, and persons to analyze the increased flow of information are being created.

In retail trade the shift to self-service has been significant in reducing requirements for sales clerks and increasing the need for cashiers at central checkout counters. Self-service is most widespread in food stores but is being increasingly adopted in drug stores, limited price variety stores (the old 5 and 10 cents stores), department stores, and other types of retail outlets.

Another important long-term trend especially in the requirements for managers is the continuing subdivision of labor and greater specialization. For example, in the retail trade industries, including restaurants, a growing proportion of employment is in the larger size establishments. In contrast to smaller size, frequently owner-operated establishments, in which the manager may spend a great deal of his time in nonmanagerial duties such as sales or cashier, managers in larger retail establishments tend to limit their duties more to management functions and supervise a greater number of employees. This change tends to reduce the proportion of managers to total employment.

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[17] Data on GNP by industry for 1947-65 are available in the April 1967 issue of the Survey of Current Business. For the service industries (including transportation, communication, trade, education, health, government, and other service industries) the average annual rate of growth of a line fitted by least squares is 3.7 percent. For goods-producing industries other than agriculture (mining, construction, and manufacturing) the growth was 3.1 percent from 1947-65. For agriculture the average annual growth was 1.4 percent. Unpublished work of the Division of Economic Growth of the BLS also indicates a greater growth of service industry output in the 1960's. In the BLS work, gross duplicated output of the service industries is projected to increase at a rate about 10 percent above the rate for the goods-producing industries other than farms, over 1962-70.

The combination of a moderately greater growth of requirements for services than for goods, and a much greater impact of technological change in reducing requirements for blue-collar and farm workers in goods-producing sectors, results in a projection of employment which adds substantially larger numbers of workers to the service industries than to the goods-producing industries. Between 1960 and 1975, the gain in employment in the service industries is projected at 19 million versus 5 million in goods-producing industries other than agriculture. The rate of employment growth for services is projected at 48 percent—twice that of the goods-producing industries. Employment in agriculture is projected to decline 2 million workers. (See table 4.)

Table 4. Estimated Employment of White-Collar, Blue-Collar, Service, and Farm Workers, by Broad Industry Sectors, 1960 and 1975

Type of worker	All industries		Agriculture		Other goods-producing industries[1]		Service industries[2]	
	1960	1975	1960	1975	1960	1975	1960	1975
	In millions							
All workers	66.7	88.7	5.7	3.7	22.2	27.1	38.8	57.8
White-collar workers	28.7	42.6	0.1	0.1	6.3	8.5	22.4	34.0
Blue-collar workers	24.2	29.9	.2	.3	15.6	18.2	8.4	11.5
Service workers	8.3	12.7	([3])	([3])	.4	.4	8.0	12.4
Farm workers	5.4	3.4	5.4	3.4	-	-	-	-
	Percent of industry total							
All workers	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	43.1	48.1	1.7	3.2	28.2	31.5	57.7	58.8
Blue-collar workers	36.3	33.7	3.8	6.9	70.2	67.1	21.7	19.9
Service workers	12.5	14.4	.2	.3	1.6	1.4	20.6	21.4
Farm workers	8.1	3.8	94.3	89.5	-	-	-	-
	Percent of occupational total							
All workers	100.0	100.0	8.6	4.2	33.3	30.5	58.1	65.2
White-collar workers	100.0	100.0	0.3	0.3	21.8	20.0	77.9	79.7
Blue-collar workers	100.0	100.0	.9	.9	64.3	60.7	34.7	38.4
Service workers	100.0	100.0	.1	.1	4.3	2.9	95.5	97.0
Farm workers	100.0	100.0	100.0	100.0	-	-	-	-

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[1] Forestry, fishery, mining, construction, and manufacturing industries.

[2] Transportation, communication, utilities, trade, finance, education, health, government, and other service industries.

[3] Fewer than 50,000.

NOTE: Detail may not add to total because of rounding.

The general movements for very large blocs of industries and occupations conceal widely varying changes for more detailed parts. Not all service industries are expected to experience rapid growth in employment and not all goods-producing industries will have small increases in employment. Similarly, the growth in employment requirements will vary for occupations within the white-collar, blue-collar, and service worker groups. Highlights of the effects of shifting demand, technological innovation, and other factors on employment requirements for more detailed occupations or occupational groups are discussed in the individual industry statements following.

Professional and Technical Workers

Professional and technical workers are expected to continue to be the fastest growing broad occupational group. Requirements are projected to reach almost 13 million in 1975, up 45 percent from the almost 9 million who were working in these occupations in 1965 and 73 percent above the 1960 level. The added number of jobs will be larger, but the rate of growth projected for this group is somewhat less rapid than occurred between 1950 and 1965 despite the more rapid growth in the total labor force in the period ahead. Between 1960 and 1975, professional and technical workers are projected to increase their share of total employment from 11.2 to 14.6 percent.

Substantial variations in the rates of growth of requirements are projected for particular occupations within the professional and technical group. Among the most rapidly growing are the natural scientists, engineers, and related technicians occupations. Between 1950 and 1960, employment in these occupations taken together increased at more than three times the rate of total nonagricultural employment according to statistics gathered during the population censuses. In the 1960–75 period, employment requirements for these occupations are expected to increase at about twice the rate for all nonagricultural workers.

More rapid growth in total employment for some industries than for others explains only a small part of the greater than average growth for these occupations. Some industries which employ large numbers of these workers such as engineering and architectural services and the manufacture of drugs, computing machinery, communications equipment, and electronic components, are projected to have an employment increase at a more rapid rate than for all nonagricultural employment. Other industries which employ large numbers of scientists, engineers, and technicians, such as the manufacture of aircraft and autos will show smaller than average employment growth (not necessarily smaller growth in output).

Technological change is expected to result in a greater increase in requirements for scientists, engineers, and technicians than for most other occupations. In the manufacturing industries where about half the scientists, engineers, and technicians are employed, and also in mining and construction, technological changes which increase output per worker tend to reduce the requirements for blue-collar production workers and thus increase the proportionate employment of scientists, engineers, and technicians. In some cases, technological changes which result in more complex products or production processes may increase the needs of these workers for design and installation of production equipment, supervision of output, technical sales, and field maintenance of equipment.

The major stimulus to the growing employment of scientists and engineers and to their increasing proportion of total employment in many industries has been rapid increases in funds spent for research and development, especially by the Federal Government. Funds for research and development performance by industry increased from $4 billion in 1954 to $13 billion in 1964.[18] More than three-fifths of the increased funds were from Federal Government contracts. (Additional Federal funds supported research and development in government laboratories, universities, and nonprofit organizations.) Comparable data for 1954 and 1964 show that about two-thirds of the increased employment of scientists and engineers in private industry during that period was for research and development activities; the minor part of the growth was due to all other activities such as production operations, management, and sales.[19]

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[18] National Science Foundation, Review of Data on Science Resources No. 7, 1966, p. 6.

[19] Based on unpublished data from surveys made by the BLS in 1954 and 1964. Published data for 1954 (National Science Foundation, Science and Engineering and American Industry, Report on a 1953-54 Survey, NSF 56-16) were adjusted to distribute administrators and managers as in the 1964 survey. Data for 1964 (to be published) were adjusted to eliminate industry sectors employing about 12 percent of both total and research and development scientists and engineers because these sectors were not covered in the earlier survey.

In 1964 about 85 percent of the research and development effort in private industry was in the industries manufacturing aircraft, missiles, space craft, electrical and electronic equipment, chemicals, motor vehicles and other transportation equipment, and machinery and instruments.[20] Increasing ratios are projected for scientists, engineers, and technicians in these and a number of other industries.

The projected growth in employment requirements for scientists, engineers, and related technicians is based in part on an expectation of continued but slower growth of the research and development effort in the natural sciences and engineering. Both government and private industry funds for research and development have been increasing at high rates; the Federal Government made up more than three-fifths of total expanditures in the early 1960's. Private industry funds for research and development increased from $2.3 billion in 1954 to $4.4 billion in 1960, and to an estimated $6.4 billion in 1965. Federal expenditures were $3.1 billion in 1954, $7.7 billion in 1960, and $15.4 billion in 1965. In 1965 most of the Federal funds were from two agencies—the Department of Defense ($7.2 billion) and the National Aeronautics and Space Agency ($5.0 billion). Growth of private industry funds for research and development may reasonably be expected to continue. If, however, there is a sharp slowdown in the growth of Federal funds, or a shift from the natural sciences and engineering to the social sciences, requirements in 1975 for these highly trained personnel may be less than projected.

Requirements for elementary and secondary school teachers are expected to increase to over 2.3 million in 1975—more than 47 percent above the 1960 level, but only 23 percent above the 1965 level. The requirements are related to expected increases in the number of students and projected declines in the number of pupils per teacher as shown below.[21]

Fall of year	Teachers (in millions)	Enrollment (in millions)	Number of pupils per teacher	
			Elementary school	Secondary school
1955-----	1.3	35.3	30.2	20.9
1960-----	1.6	42.2	28.4	21.7
1965-----	1.9	48.7	27.3	21.0
1970-----	2.2	52.3	26.2	21.4
1975-----	2.3	53.6	25.0	21.4

Although the 47-percent growth projected for this group is well above the average for all nonagricultural workers, it is a slower rate than in the earlier period—an average annual increase of 2.6 percent compared with 3.9 percent in the 1950–60 period. Despite declining pupil-teacher ratios, fewer additional teachers will be needed in 1966–75 (about 400,000) than were added in 1956–65 (650,000). The slowdown in growth requirements for elementary and secondary school teachers is due to a reduction in births, beginning in the late 1950's, from the high birth rates which prevailed in the first decade after World War II. Except for the Elementary and Secondary Education Act of 1965, which will help finance smaller size classes, estimated requirements would be about 50,000 fewer teachers than projected.

College teachers will be one of the most rapidly growing occupational groups, increasing from about 200,000 in 1960 to about 450,000 in 1975.[22] College enrollments are expected to boom from 3.6 million in 1960 to 9.0 million in 1975,[23] based on both a much greater flow of high school graduates and on increasing tendency of high school graduates to go on to college. The number of college teachers required would be even higher except for the expectation that the average number of students per teacher will increase in the period ahead. Many part-time teachers not included in the estimates above will also be employed by colleges and universities.

In addition to teachers in elementary and secondary schools and in colleges, other teachers are employed in privately operated commercial and technical schools, military training programs, poverty programs, corporate training programs, and in other activities. Employment of teachers in these activities also is projected to grow faster than total employment.

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[20] National Science Foundation, Review of Data on Science Resources NSF 66-6, 1966, p. 8.

[21] Historical statistics are from U.S. Department of Health, Education, and Welfare, Office of Education, Projections of Educational Statistics to 1975-76, 1966, tables 2, 22, and 23. The projections to 1975 are based on unpublished estimates of the Office of Education related to Series B population projections.

[22] Includes full-time instructors or above and junior instructional staff. Excludes part-time instructors or above who are assumed to have another job as their primary job.

[23] Op. cit., footnote 21, tables 4 and 28.

Teachers of all types are projected to increase from 2.9 to 3.5 percent of total employment.

Employment requirements for professional and technical workers in medical and health occupations are projected to reach 2.2 million in 1975, an increase of two-thirds above the employment of 1.3 million in 1960. The related ratios to total U.S. employment for the group are 2.0 percent in 1960 and 2.5 percent in 1975. Largest increases will be for professional nurses—860,000 in 1975, compared with employment of 495,000 in 1960, and for medical and dental technicians whose projected requirement of about 390,000 in 1975 is more than 2½ times the estimated employment in 1960.

The increased requirements for health workers—much sharper than the population increase—are premised on the need for catching up the shortages of workers which existed in the early 1960's, meeting a greater per capita demand supported by increased funds, and staffing expanding medical research programs. A somewhat greater proportion of the population in the over 65 years of age group in 1975 than in earlier years also will contribute to the demand for health personnel since this group is above average in its use of health services. These factors are expected to require large employment increases in the entire medical and health services industry and for the entire gamut of occupations—professional, technical, clerical, and service—included in the industry.

In 1962, the Surgeon General's Consultant Group on Nursing found a severe shortage of nurses in the United States. Demands for nursing service had been increasing faster than the growing number of employed nurses. Four studies of varying scope made in 1960–62 showed 20 to 50 percent of the professional nursing positions in surveyed hospitals to be vacant.[24] Preliminary data from a 1966 survey of hospital manpower employment and needs indicated that 57,000 additional professional nurses were urgently needed and 83,000 were needed for optimum care.[25] The preliminary survey data also indicate requirements for 9,100 medical technologists, 3,900 radiologic technologists, 3,800 surgical technicians, and 2,800 physical therapists.

The 1959 report of the Surgeon General's Consultant Group on Medical Education found serious shortages of dentists. The ratio of dentists to population has continued to decline since 1959.

In 1964 hospitals reported almost 10,000 internship and residency vacancies. Various sources reported shortages of family doctors and specialists in a number of fields of medicine. In addition to existing shortages of personnel there is evidence that medical developments are placing an increasing demand on the services of selected professional and technical personnel for each hospital admission.

On the other hand, various developments are helping to reduce requirements for medical and health workers. Antibiotics greatly shorten the length of illnesses. Tranquilizers and other drugs are bringing better control of many mental illnesses, and together with a new philosophy in treatment are resulting in a break in the long-term growth in the number of hospitalized mental patients. New types of equipment are automating routine tests of blood and other body fluids and more efficient methods are being developed to screen large numbers of persons to detect certain abnormalities.

Expansion of prepaid medical insurance, Medicare, Medicaid, growing per-capita incomes, greater urbanization, and increasing awareness of the importance of health care are expected to create a growth in the demand for health services that will be faster than population growth. Between 1950 and 1965 government and private expenditures for medical and health services increased from about $9 to $28 billion, and from under 4 to over 5 percent of GNP.[26] This trend is expected to continue.

Expenditures of three-quarters of a billion dollars in 1960 for medical research are projected to reach $3 billion in 1970, and the number of research workers required are expected to double—from about 40,000 to 80,000.[27]

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[24] U.S. Department of Health, Education, and Welfare, Public Health Service, Toward Quality in Nursing, Needs and Goals, Report of the Surgeon General's Consultant Group on Nursing, 1963, pp. 3 and 15.

[25] Ibid., Press Release HEW-N82 of November 13, 1966.

[26] Data for 1950 are from The Statistical Abstract of the United States, 1966, pp. 280, 320, and 324. Data for 1965 are from The Survey of Current Business, November 1966.

[27] U.S. Public Health Service, Manpower for Medical Research, Requirements and Resources, 1965-70, 1963, p. 14. For more extensive treatment of manpower needs for health services, see U.S. Department of Labor, Technology and Manpower in the Health Service Industry, 1967, and Health Manpower 1966-75, A Study of Requirements and Supply, 1967.

Included in the professional and technical residual group are computer programers and systems analysts. At the beginning of the decade about 4,500 computers were in use. Excluding desk types, 25,000 electronic computers were installed in mid-1966 and over 13,000 were on order.[28] Depending on its size, characteristics, and uses, each computer installation may be serviced by from 1 to more than 50 persons who are primarily engaged in programing or systems analysis. Estimated employment of over 200,000 computer programers and systems analysts in 1966 is expected to more than double by 1975. A rapid growth of the professional residual group is based in part on the projected need for programers and systems analysts in industries that are making increasing use of electronic computers for business data processing and for research.

Managers, Officials, and Proprietors

The number of managers, officials, and proprietors is expected to increase about 28 percent—from 7.1 to 9.1 million—between 1960 and 1975. The rate of growth will be about the same as that for total employment, but slower than the rate (39 percent) for total nonfarm employment during the same period.

The anticipated relative stability of this group is in line with the historical trend. From 1947 to 1965, the ratio for this occupational group has fluctuated between 10 and 11 percent. The relative stability was maintained during periods of high unemployment (6.8 percent) and low unemployment (2.7 percent).

However, the overall stable proportion of managers to total employment is made up of offsetting movements within major industries. The number in the retail trade industry in which more than 35 percent of all managers are employed has been declining in the 1960's even though total employment in the industry has been increasing. The major factor is the replacement of small retail establishments, many of which are owner-operated, by large size, frequently chain-operated stores in which managers tend to limit their duties to the management function and supervise a greater number of employees. This trend has been particularly true in food retailing, and is also true for eating and drinking places and other retail businesses. Smaller size establishments in the personal service industries, including barber and beauty shops and laundry and drycleaning stores, also appear to be declining proportionally. On the other hand, managers are increasing as a proportion of total in manufacturing, finance, insurance, and some other industries as technological change reduces requirements for blue-collar and clerical workers without reducing requirements for managers to the same extent.

Clerical Workers

Almost 5 million additional clerical jobs are projected for 1975 if the unemployment rate is about 3 percent. This expansion will be a 50-percent increase over the 9.8 million employed in 1960. The greater-than-average increase projected for this group depends in part on the expected greater growth of employment in the service industries (including trade) where about 3 out of 4 of these workers were employed in 1960, and also on their increasing proportion in industries such as wholesale and retail trade, education, and other professional services—industries in which the changing organization of work is increasing the requirements for clerical occupations such as cashier, stock clerk, teacher's aide, bookkeeper, and secretary.

Electronic computers will be a major factor determining employment requirements for some clerical occupations. The number installed, their information storage capacity, and the speed of the machines are growing rapidly. Many accounting, recordkeeping, and data processing clerical jobs in the Federal Government, banks, insurance companies, and a wide variety of other industries are being eliminated. Companies whose volume of data processing does not justify the purchase or direct rental of a machine can obtain use of small blocs of computer time through numerous service centers. Computers will take the place of many accounting clerks, billing and bookkeeping machine operators, inventory control clerks, and voucher clerks. Additional keypunch operators will be needed. Computers are bringing about faster and cheaper retrieval of data. As a result, management demands more analytical reports and clerical help is needed to prepare data for these reports. This development offsets the displacement of workers caused by the greater efficiency of computers.

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[28] Automatic Data Processing Newsletter, vol. XI, No. 6, Aug. 22, 1966.

Despite the tremendous speedup of data processing and recordkeeping that has already occurred as a result of computer installations, the number of clerical workers has continued to grow at a high rate.

Important clerical occupations such as secretaries, stenographers, typists, cashiers, bank tellers, mail carriers, postal clerks, and telephone operators are not expected to be heavily affected by the use of computers, although their employment requirements will be affected by other technological changes. Others, such as bookkeepers and accounting clerks, office machine operators, payroll clerks, and stock clerks, which are affected by computers, continued to show good rates of employment growth in the early 1960's.

Technological change, such as the greatly increasing use of easily operated copying machines, new varieties of dictating equipment, and improved typewriters, does not appear to have slowed the growth in employment of the secretary, stenographer, and typist group. Employment requirements for this group are projected to increase more than three-fifths between 1960 and 1975. The growth is expected to be greater for secretaries, who generally have a broader range of responsibilities than for typists or stenographers. About half the growth will be in the finance, insurance, real estate, education, health, and government sectors, which use large numbers of these workers and which are projected to grow rapidly. The share of total employment for the group is expected to increase in most industries to support the greater number of professional, technical, and managerial workers, and salesworkers in industries other than retail trade.

Cashiers are expected to double in employment between 1960 and 1975. The increase will occur almost entirely in the retail trade industry which will account for three-quarters of the cashiers employed in 1975. The shift to self-service operations in food stores, limited price variety stores, drugstores, and other types of retail outlets has meant that checkout cashier jobs have been created in place of the salesworkers jobs that previous methods of operation required.

Salesworkers

Requirements for salesworkers are projected to increase about as fast as total employment. (Less rapidly than total nonagricultural employment.) More than 70 percent of these workers are employed in retail and wholesale trade. Although total employment in trade is projected to grow 40 percent, salesworkers will not increase at the same rate because a continuation of the change to self-service stores in many lines of retailing will reduce the number of salesworkers in relation to volume of sales. In most of the manufacturing industries, where about 1 salesworker in 8 is employed, they are projected to be an increasing proportion of total employment.

Craftsmen

The craftsmen group, the most skilled broad occupational group among the nonfarm manual workers, is expected to grow about as fast as total employment but to be a smaller percent of total nonagricultural employment in 1975 than in 1960. Differences in the rate of change in employment requirements for some of the subgroups of craftsmen are discussed in the following paragraphs.

The number of mechanics and repairmen is projected to increase at a much faster rate than the total economy between 1960 and 1975. The most important increase will take place in the residual occupation "other mechanics and repairmen" which includes air-conditioning, refrigeration, electrical appliance, industrial machinery, instrument, diesel engine, vending machine, and other types of repairmen and servicemen. By 1975, these will constitute well over one-half of all mechanics and repairmen and will account for three-fourths of the change in employment for the group.

Rising per capita incomes will be translated into improved standards of living in part through greater use of electrical appliances, which will need repair as they age. Air-conditioning and refrigeration units are being installed in most new large buildings and many new homes. As the degree of mechanization and automation of industrial processes continues, industrial machinery and instrument servicemen will be required in increasing numbers. Diesel engine servicemen will be needed to service the growing number of diesel powered trucks and also diesel powered pleasure boats. The trend towards greater use of vending machines for entertainment, for food service, and for other items is increasing the need for this type of servicemen.

An increase of 40 percent is projected in requirements for motor vehicle mechanics and repairmen. The Nation's growing affluence is resulting in ownership of two cars or more by many families. The average age of car ownership is dropping, and the lower age group in the population who will be car buyers are becoming relatively more important. The continued strong growth of the trucking industry is increasing the requirements for truck repairmen. Although the quality of vehicles is improving, this decrease in servicing requirements is being offset by the increasing complexity of the vehicles and the addition of accessories.

The biggest relative increase is expected in office machine servicemen who will more than double by 1975. The increasing need for information and its processing is of course greatly expanding the use of office machinery. Radio and television repairmen also will be needed to service the growing volume of these consumer durables. The trend toward transistorized components has slowed the increase in employment requirements of these repairmen.

Airplane mechanics will not increase as fast as the total economy during this period. Piston-engine planes are being supplanted by jet aircraft, which require less mechanical maintenance. Railroad and car shop repairmen will show only a modest increase during this period.

The mechanics and repairmen group is projected to increase from 3.0 percent in 1960 to 3.6 percent of total employment in 1975.

Data from the population censuses show employment of about 1.1 million metalworking craftsmen in both 1950 and 1960. Between 1960 and 1975 employment requirements for the group are projected to increase over 100,000 workers or 10 percent. In 1960 about 70 percent of all metalworking craftsmen were in the industries producing primary and fabricated metals, machinery, electrical equipment, automobile, and aircraft. Extension of mechanization, automation, and computer control of production in these industries are expected to keep requirements for this group from growing as fast as total employment.

Operatives

Operatives have been the most numerous broad occupational group since 1940 when they surpassed farm workers in number employed. Twelve million were employed in 1960. Including deliverymen and routemen, about 2.5 million were drivers of trucks, buses, or taxis. About 600,000 each of sewers and stitchers and metalworking assemblers are in this group. Large numbers also are employed as checkers and inspectors in manufacturing, packers and wrappers, laundry and drycleaning workers, welders, and gas station attendants. Six million workers in this group, one-half the total, are included in the residual "operatives not elsewhere classified" group, and thus not identified with a specific task. About 80 percent of this latter group are employed in the manufacturing industries where many are operating specialized machinery in metalworking industries, food processing, textile production, and apparel manufactures.

About three-fourths of the 9.6 million operatives who are not drivers were employed in the manufacturing industries in 1960. The high growth rate of the U.S. economy from 1962 to 1965 was marked by sharp increases in the demand for manufactured goods, especially capital equipment and consumers' durables. The most noticeable effect on occupational structure was a sharp upswing in the number and proportionate employment of operatives who had been a declining share of total employment in the 1950's after steady increases in share of total in prior decades. In contrast to the recent increases in share of total employment in the economy and in manufacturing for operatives, the projections of this report assume that technological change will be the major long-term factor in restraining the growth in requirements for this group.

Despite the large growth in requirements of 2.8 million workers, the share of total U.S. employment for this group is projected to drop from 18.0 to about 16.7 percent between 1960 and 1975.

Requirements for drivers and deliverymen will increase somewhat less rapidly than total nonagricultural employment. Need for these workers is related primarily to the volume of goods to be moved. Competition from railroads through piggybacking of trailers is expected to increase. Productivity improvements are being made by use of larger, more powerful trucks, mechanical loading and unloading, and better highways. Nevertheless the high volume of output of goods expected in 1975 will generate a high level of requirements for these workers. Their share of total employment is projected to increase in almost all manufacturing industries but remain at 57 percent of total in the trucking industry. Employment of drivers and deliverymen is projected to increase from 2.4 million in 1960 to 3.2 million in 1975.

Laborers

More than half of the laborers are employed in manufacturing and construction. They are expected to continue to be the group (other than farm workers) most affected by mechanization and automation of production operations. This group of workers is projected to decline from about 5.5 to 4.2 percent of total employment between 1960 and 1975.

Service Workers

The service worker group included 8.3 million workers in 1960. Requirements for 1975 are projected to reach 12.7 million for an increase of about 50 percent. Included in the group in 1960 were:

2.2 million private household workers
2.1 million workers were in major food service occupations such as waitresses, cooks, counter, fountain, and kitchen workers, but not including busboys and some others for whom data are not available separately
1.5 million in building or hotel service occupations such as janitors, charwomen, maids, housekeepers, and elevator operators
0.8 million protective service workers—policemen, firemen, and guards
.7 million in health service work—hospital attendants and practical nurses
.5 million barbers and beauty operators
.5 million in miscellaneous occupations such as porters, busboys, recreation attendants, and airline stewardesses.

Requirements are projected to grow fastest for health service workers such as hospital attendants and practical nurses. Together they are expected to more than double in employment to about 1.6 million workers by 1975 as hospitals and nursing homes employ them to assist doctors, nurses, and other higher paid professionals.

Building and lodging service workers such as charwomen, maids, janitors, and housekeepers (other than private household) are expected to increase about three-fifths by 1975. These workers are needed in many rapidly expanding activities such as hospitals, schools, hotels, and office buildings.

The listed food service workers will number over 2.5 million in 1975. The projected increase for this group of about 50 percent, which is faster than for both labor force and population growth, continues recent trends and also reflects the expected effects of increasing urbanization, more married women working outside the home, and higher incomes. These factors are also the basis for projection of about an one-fourth increase in the requirements for private household workers.

Protective service workers are projected to reach 1.2 million; the greatest growth is expected for policemen.

Changes in Occupational Patterns, Detailed Industries

The statements on the change of occupational structure in this section of the report are condensations of longer technical memoranda prepared for each industry. Each of the 116 detailed industries was studied individually. In a number of instances a single statement referring to two related industries or more was prepared for this report. The underlying analysis attempted to determine the factors which caused the changes in the past, as well as to evaluate their influence in the future. However, this report for the most part discusses only the future effects of major factors in each industry and specifically mentions causes of change only for occupations which included an appreciable percent of total employment and which had a sizable change in ratio to total employment.[29]

For convenience of the reader, each statement begins with a short description of the goods produced or the services rendered by the industry, since these may not be evident always from the industry title. The industry descriptions are condensations or excerpts of definitions appearing in the Standard Industrial Classification Manual (SIC).[30] The SIC also is provided for those who may wish to relate the data to other information. A brief discussion of employment trends precedes the short discussion of the occupational structure and expected changes in structure. Pairs of occupational ratios for 1960 and 1975 for each industry are found in appendix C.

The occupational list for a particular industry may contain one or a few occupations that appear to be out of place. This can occur through incorrect reporting to the census, or an error in coding. For example, the census statistics show railroad brakemen in the laundry and drycleaning industry. An effort was made to eliminate the most unlikely cases but some may have been missed and others were left in the lists because of uncertainty about the possible variations in the organization of business establishments. Neither those eliminated nor those remaining which might have been eliminated are thought to include significant numbers of workers.

Agriculture, Forestry, and Fisheries (SIC Division A)

Occupational patterns are available for agriculture (SIC 01–07), which includes, in addition to farms of various types, such agricultural services as cotton ginning, grist milling, veterinary services, and poultry hatcheries; forestry (SIC 08), which includes the operation of timber tracts for sale of standing timber, forest nurseries, and the gathering of miscellaneous forest products such as gums, barks, balsam needles, etc.; and fisheries (SIC 09), which includes not only the catching of fin fish and shellfish and other marine products, but also fishery services such as the operation of fish hatcheries.

Employment

Declining employment has been characteristic of the agriculture and fisheries division for several decades. Employment in agriculture has declined at an average rate of nearly 200,000 workers per year, from 7.5 million in 1950 to 4.6 million in 1965, and is expected to be only 3.7 million in 1975.[31] Although employment in activities providing specialized services (e.g., veterinary services, air dusting, and machinery repair) continues to grow, these activities account for only a small fraction of this division's employment and have a negligible effect on employment trends. Employment in fisheries was lower in 1960 than it was in 1950, according to the decennial censuses, but is expected to remain relatively stable at about 60,000 during the decade ahead.

Between the 1950 and 1960 censuses, employment in forestry increased about 10 percent—from 44,000 to 48,000. In 1960, more than half of the workers in forestry were government employees. Full-time employment in the U.S. Forest Service almost doubled between 1950 and 1960.

Occupational composition and trends

Agriculture. Farmers and farm workers made up 94 percent of all agricultural employment in 1960. Changing technology in agriculutre has been causing a high rate of displacement of unskilled farm workers. Steady progress in the adaptation of machinery to more farm operations and to a wider variety of crops continues to be a major factor in the persistent decline of farm employment. The increased use of herbicides, pesticides, and fertilizer, in conjunction with better seeds, has been a significant factor in raising output per man-hour. Better farm management and the elimination of thousands of marginal farms have contributed also to declining agricultural employment. Some reduction in the farm labor force has occurred also as a result of increases in agricultural services performed by persons having specialized training who live off the farm. Most occupations, other than farmers and farm workers, are increasing in relative importance. Steady growth of the demand for agricultural services will result in increases in the number of veterinarians (including those who care for nonfarm animals) and technicians such as herd testers and mechanics.

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[29] Additional information about technological changes in 40 industries can be found in BLS Bulletin 1474 (1966), Technological Trends in Major American Industries.

[30] U.S. Bureau of the Budget, Standard Industrial Classification, 1957.

[31] Estimates for employment in agriculture are from the monthly household survey. They are reported in Employment and Earnings and Monthly Report on the Labor Force, February 1966, p. 33.

Forestry. Nearly one-half (46 percent) of the workers in forestry were in the professional, technical, and related occupational group. Most of these workers were agricultural scientists or in the professional and technical n.e.c. group which includes fire wardens, park rangers, forest aides, and other conservationists and foresters not classified here as agricultural scientists; another 25 percent were laborers. Other significant occupations were stenographers, secretaries, and typists (4 percent), and truckdrivers (3 percent).

During the postwar period, public concern over future forest resources led to increased attention to research programs that have resulted in new and superior hybrid trees, treated seeds to repel birds and rodents, and chemical control of brush and weed trees. Research in forest management has led to use of special equipment for construction and maintenance of forest roads and trails, special equipment for spraying and direct seeding with aircraft, and for planting seeds with ground machines. More attention is being given to obtaining adequate timber inventories through electronic machine computation and aerial photographs. Greater emphasis is being placed on better fire protection systems, and more efficient harvesting equipment.

Requirements for professional and technical personnel increased sharply during the 1950's as concern for forest conservation stimulated rapid expansion in research and management programs. Emphasis on research and conservation programs is expected to remain high and to result in continued but slower growth in the proportions of agricultural scientists during 1960–75. The proportion of laborers will continue to decline, but at a slower pace as increasing emphasis is placed on developing and maintaining a larger road system within the Nation's forests.

Fisheries. Fishermen and oystermen included in the laborers group, accounted for 75 percent of the workers in the industry in 1960. Other significant occupations were ship officers, pilots, and engineers (3 percent), and managers and officials n.e.c. (5 percent).

The small size of fishing firms and the high costs of domestically built fishing vessels have restricted severely technological improvements in the fishing industry. Where modernization of the fleet is feasible, however, the newer vessels are larger, faster, and better equipped. New equipment includes refined hydraulic, electronic, and acoustical devices, which significantly improve navigation and fish detection. Twine, net, and cable that are made of lightweight and high-strength fiber and power blocks for hauling large nets contribute to more effective handling of the nets.

During 1960–75, the number of large fishing firms is expected to grow in relative importance. The proportion of fishermen and oystermen, especially the self-employed, is expected to decrease; the proportions of occupations associated with larger fishing firms, such as managers, ship officers, clerical workers, mechanics, truckdrivers, and cooks, will increase.

Mining of Solid Materials (SIC 10–12, and 14)

This major industry grouping is composed of establishments primarily engaged in the extraction of solid minerals such as metallic ores (SIC 10), coal (SIC 11–12),[32] and nonmetallic ores, except fuel (SIC 14). Also included are ore dressing and beneficiating operations and other preparation needed to render the material marketable, whether performed in conjunction with mines served or at mills operated separately. The industry grouping also includes exploration and development of mineral properties, and stripping and other services performed by mining companies, by operators of the properties, or by others on a contract, fee, or other basis. Separate occupational patterns are available for each of the three groupings listed above.

Employment

Employment declined about 36 percent between 1950 and 1960, and another 14 percent by 1965, to 358,000 workers.[33] The largest decrease was in coal mining, where by 1965 the work force had diminished to one-third of its 1950 level. This decline was primarily the direct result of intensive mechanization, since output in the same period was down only 7 percent. During 1950–65, employment in the metal mining major group decreased 15 percent, mostly in the last 5 years. The sharp losses in coal and metal mining were offset partially by an early employment increase in nonmetal mining, but employment in this group has tended to level off in recent years. Despite the sharp employment decline over the past 15 years, coal mining accounted for 41 percent of employment in this major industry grouping in 1965.

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[32] For more information, see BLS Bulletin 1305, 1961, Technological Change and Productivity in the Bituminous Coal Industry, 1920-60.

[33] Private wage and salary workers accounted for more than 97 percent of total employment in this major industry grouping; most of the remainder were self-employed workers.

Occupational composition and trends

In 1960, the mine operatives and laborers group accounted for 54 percent of employment in coal mining, 41 percent in metal mining, and 35 percent in nonmetal mining. This group included workers who did general labor and operated a wide variety of mining machinery and equipment such as cutting machines, crushers, graders, and conveyors. It also included helpers and assistants to journeymen in various crafts (plumbers, electricians, mechanics, etc.), and many other kinds of semiskilled workers directly involved in the mining operations. Truck and tractor drivers; cranemen and heavy equipment operators; foremen; mechanics and repairmen; and electricians were other blue-collar occupations which have significant proportions of employment throughout this major industry grouping.

White-collar workers were only 10 percent of all employment in coal mining, 17 percent in metal mining, and 21 percent in nonmetal mining. Managers, officials, and proprietors, who made up over 4 percent of total employment in coal and in metal mining, and 10 percent in nonmetal mining were the most significant white-collar occupational group.

Considerable change in the occupational structure of this major grouping is expected during 1960–75. In recent years, there has been extensive capital investment in all segments of mining to reduce costs. The metal mining component found it necessary to overcome problems inherent in recovering metals from ores of lower grade while competing in a world market where most metal prices have been falling, and coal producers endeavored to regain markets lost to competitive fuels. Some of the more significant changes in occupational patterns that are expected as the result of major technological innovations and other factors, are mentioned in the following paragraph.

The proportion of mine operatives and laborers is expected to decline substantially in all three groupings (although at a slower rate than during the 1950's), primarily because of the increasing use of more advanced mining equipment and methods. For example, continuous mining machines are capable of mining 8 tons of coal per minute. In 1960, a little over a quarter of total underground coal production was mined by these machines; by 1964 the figure was nearly 40 percent, and it is predicted that the continuous miner will account for half of the underground production in 1970. Longwall mining, an even newer development in the United States is purported to achieve a 33 percent greater saving in labor costs over continuous mining. Use of this system is expected to become more prevalent during the next decade, decreasing still further the need for timbermen, roof bolters, and mining machine operators.

The ratios for engineers, foremen, mechanics, and truckdrivers are expected to continue to rise during 1960–75. The utilization of giant earth-moving equipment has extended greatly the scope of service mining in recent years. Virtually all solid minerals except coal are recovered largely by surface methods. In 1960, the largest shovel had a capacity of 85 cubic yards; one of 200 cubic yards is soon to go into operation. Trucks which have capacities of 120 tons are in use, and construction of a 240-ton truck which can be driven from either end is nearly completed. Such developments have led to the rapid growth of surface strip mining of coal and the conversion from rail to truck hauling; these advances contribute both to the downward trend in the proportion of mine operatives and the rise in the percentage of truckdrivers. Less than 10 percent of coal output came from strip mines in 1940; by 1950 and 1960, the percentage rose to 24 percent and close to 30 percent, respectively. About 15 percent of the coal mining work force was employed in surface mines in 1962 compared with 6 percent in 1945. In recent years, however, there has been evidence of some slackening in the relative growth of surface coal mining. On the other hand, the phenomenal rate of growth in the production of sand, gravel, and crushed stone to meet the needs of highway and building construction is expected to continue, and will result in further increases in the proportions of workers in surface mining occupations.

Increasing exploitation of low-grade copper and iron ores also will expand requirements for operators of earth-moving equipment, foremen, and truckdrivers. In 1963, it became possible to mine millions of tons of low-grade copper not previously economical to process, when the most highly automated flotation concentrator in the world started operations with one man using electronic controls to operate 12 grinding mills. New pelletizing plants now being built for beneficiation of low-grade iron ores are expected to result in sharp production increases in the mining of taconite and jasper.

Substantial increases in the proportions of mechanics and repairmen are anticipated to ensure maximum utilization of the complex equipment, which represents an enormous capital investment, and for the preventive maintenance of trucks and other mobile equipment.

Increased use of computers is expected to result in the growth of white-collar occupations such as engineers and programing specialists. Computers are useful for cost control, ore estimation and planning, and scheduling and controlling activities in large mining operations.

Crude Petroleum and Natural Gas (SIC 13)

This major group includes establishments primarily engaged in exploration, drilling, oil and gas well operation and maintenance, the operation of natural gasoline and cycle plants, and the mining and extraction of oil from oil sands and shale. Also included are activities such as emulsion breaking and desilting of crude petroleum to render the oil marketable.

Employment

Employment in this industry rose to a peak of more than 350,000 in 1957, but then declined 18 percent to about 300,000 workers in 1965.[34] Technological laborsaving innovations and increasing imports have contributed to the employment decline, despite continuously rising demand for petroleum products. Between 1965 and 1975, employment is expected to remain relatively stable. Anticipated employment increases in off-shore well drilling, in the mining of shale oil, and in the number of natural gasoline plants are expected to offset continuing improvements in output per worker.

Occupational composition and trends

In 1960, white-collar workers made up about 42 percent of total employment—an unusually high proportion compared with the other mining industries. Relatively large numbers of engineers, scientists, and technicians for research and development, and exploration were needed in petroleum activities. The large ratio of managers, officials, and proprietors (13 percent) included active owners of gas and oil wells, and contract service activities such as well cleaning and maintenance. Clerical and kindred workers (14 percent) were required in significant numbers throughout this industry. Craftsmen and operatives accounted for 57 percent of all employees. Significant craftsmen occupations included stationary engineers (included in craftsmen n.e.c.) (10 percent), foremen (6 percent), and mechanics and repairmen (3 percent). Mine operatives and laborers made up almost one-third of the work force, and included occupations such as oil gagers, cable drillers, rotary drillers, derrick workers, and riggers.

Through 1975, the occupational composition of this industry will reflect a growing proportion of white-collar workers, particularly professional, technical, and kindred workers; and a declining proportion of blue-collar workers, particularly mine operatives and laborers. The changing occupational composition is expected primarily as the result of continuing technological innovation.

The most significant technological development in oil and gas field production are LACT (leased automatic custody transfer) systems, which automatically meter and transfer crude petroleum from well to pipeline. Greater use of LACT systems in the future will result in reduced demand for stationary engineers, as well as for mine operatives and laborers, including workers who gage and switch oil tanks. Requirements are expected to increase for foremen to supervise workers using LACT systems and for skilled mechanics to maintain and repair LACT systems and other instrumentation. Other automatic controls also will reduce the need for mine operatives and laborers.

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[34] Private wage and salary workers accounted for more than 95 percent of total employment in this major industry group; the remainder were mostly self-employed workers.

Increased relative requirements are projected for scientists, such as geophysicists and engineers, and other technical workers trained to use, operate, and maintain complex techniques and equipment. These include: Airborne equipment, such as cameras and gravity meters, which enables geological surveys to be made more quickly and extensively; logging techniques, such as electric, sound velocity, and nuclear magnetism logging, which reveal greater detail about the substrata; and computers that are being used to analyze and correlate data from current and past seismic tests.

In drilling operations, stronger materials and more power on the rigs enable the equipment to go deeper faster, and to last longer. Instruments record the direction and depth of drill pipe. Television-guided robots perform "roughneck" duties several hundred feet underwater in offshore operations. Tiny, downhole television cameras enable the driller to "see" into the depths. As these operations become more automatic, there will be a decline in the employment of mine operatives, such as roughnecks who perform unskilled duties in drilling operations. However, increased drilling activity, particularly offshore, is expected to offset partially the adverse employment effects of advancing technology, and as a result, the share of total employment for operatives is expected to decline slowly.

Proportionate employment for managers and officials is not expected to change appreciably. Many relatively small contract service companies explore and drill for oil. However, as operating costs continue to rise, many of the smaller firms will merge or go out of business. Thus, more exploring and drilling will be performed by fewer but larger companies, requiring fewer managers and officials.

Construction (Division C)

This industry division includes private and government construction of buildings, highways, streets, and subway and sewage systems. Also included are contractors in specialized activities such as plumbing, carpentry, electrical work, and water well drilling. Not included are manufacturers of prefabricated building equipment and materials, or force account construction workers employed by establishments, such as manufacturing plants, which are not classified in the construction industry.

Employment

Employment in construction increased about 35 percent to about 4.5 million workers between 1950 and 1965.[35] Construction activity, which increased rapidly during the same period, included highway, sewer, and water systems; new commercial and residential buildings; and urban renewal programs. By 1975, employment in this major division is expected to reach 5.7 million workers, as construction activity continues to rise.

Occupational composition and trends

In 1960, craftsmen, foremen, and kindred workers accounted for more than one-half of total employment in construction—a proportion more than three times greater than that for comparable workers in all nonagricultural industries. The high proportion of craftsmen reflected the complex nature of construction activity, namely, a multiplicity of operations requiring many skilled workers such as carpenters, bricklayers, electricians, painters, plasterers, plumbers, pipefitters, and excavating and grading machine operators. Laborers, who made up about 18 percent of the work force, were needed to assist craftsmen and to do relatively unskilled work. Nearly half of the operative group, which made up about 8 percent of total employment, were truck and tractor drivers. Managers, officials, and proprietors (12 percent) accounted for more than one-half of the white-collar workers, due in part to the large number of small contracting firms in this industry.

Between 1960 and 1975, the most significant changes in the occupational ratios are expected to result from greater activity in multistory construction and increasing penetration of new technology. More offsite prefabrication, increased use of new materials, such as precast concrete and plastics, and the greater application of mechanical and electrical laborsaving devices are expected.

For example, the proportion of carpenters is expected to decline because of the growing use of prefabricated components (such as roof trusses and wall panels) and new handtools (such as power tools to drive nails), and because multistory construction demands other skills. The ratio of painters is expected to decline as a result of the expanding use of materials such as aluminum and plastics, which do not require painting and the increasing use of equipment such as rollers, which increase output per worker. The proportion of laborers will be affected adversely by mechanization, particularly materials handling equipment such as forklift trucks, power wheelbarrows, conveyor belts, and automatic lifts. On the other hand, the ratio of excavating, grading, and road machinery operators should increase, mainly because of rising highway construction. As a result of the increasing use of road and other types of machinery, the proportion of mechanics also is expected to rise. The ratios of structural steel workers and welders will be affected favorably by the increased use of structural steel in smaller buildings, as well as by the increasing emphasis on multistory building. In this industry, technological change will be more effective in reducing requirements for blue-collar workers than for white-collar workers, and the share of total employment is expected to rise for professional, technical, and clerical employees. In addition, engineers and other technical workers will increase in response to rising requirements for workers to design and supervise complex construction projects such as high-rise apartments, industrial plants, and urban rapid-transit systems.

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[35] Private wage and salary workers accounted for about 70 percent of total employment in this industry division. The remainder was made up about equally by government and self-employed workers.

Logging Camps and Logging Contractors (SIC 241)

This industry group includes logging camps and logging contractors primarily engaged in cutting timber and in producing rough, hewn, or primary forest or wood raw materials.

Employment

Employment in this industry group has been declining slowly,[36] and was down to 126, 000 workers in 1965. A drop in the demand for lumber, due to substitution of other materials in construction, and for containers was a major factor. The decline in employment would have been greater except for the increase in wood cutting for pulpwood resulting from the rising consumption of paper and paperboard products. Employment in this industry group is expected to drop further in the coming decade as output per man-hour grows and the shift towards the use of lumber substitutes continues. The decline in employment will be modified somewhat by the continued increase in demand for pulpwood by the paper products industries.

Occupational composition and trends

In 1960, two-thirds of the workers in this industry were lumbermen (included with laborers). The only other important occupations were truck and tractor drivers (12 percent), and managers, officials, and proprietors (7 percent).

During 1960–75, the leading factors affecting occupational structure will be the increasing importance of pulpwood, most of which is logged in the southern regions of the country, and technological changes that will increase the productivity of the laborer group. Compared with the Northwest, logging in the South has a greater proportion of small and medium-sized establishments, and small and scattered timber tracts. The proportion of managers and proprietors is expected to rise because a greater share of the industry employment will be engaged in pulpwood cutting in the South. The smaller more widely scattered timber tracts of the South will raise the proportionate requirements for truck and tractor drivers. Offsetting these increases will be a decline in the relative importance of lumbermen (laborers). Technological changes including better felling and log handling equipment for small operators, and the development by large wood using corporations of fast growing varieties of trees; uniform planting on the large tracts; specialized mobile equipment that fells, trims, cuts to length, and stacks pulpwood size logs also will reduce the need for lumbermen and increase requirements for specialized equipment operators and truckdrivers.

Sawmills, Planing Mills, Millwork, and Miscellaneous Wood Products (SIC 242–249)

This industry grouping includes sawmills, planing mills, plywood mills, and veneer mills engaged in producing lumber and wood materials. It also includes establishments manufacturing finished articles made entirely or mainly of wood and wood substitutes such as wooden containers and particle board.

Employment

Employment has declined steadily in this industry during the 1950's and early 1960's to a low of about 550, 000 workers in 1965.

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[36] Private wage and salary workers accounted for slightly over two-thirds of total employment in logging and logging camps; most of the remaining workers were self-employed.

The decreases were largest in the sawmill and planing mill, and the wooden container industry groups where the demand for lumber and wooden products was affected adversely by a shift towards wood substitutes and paper and plastic containers. Between 1950 and 1960, production of lumber dropped from 38 to 33 billion board feet. Employment in the plywood, veneer, and miscellaneous wood products industry groupings increased as the result of the growing market for wood paneling and plywood products. Employment is expected to continue to decline but at a slower pace during 1965–75. Additional growth is expected in the plywood and veneer industry; sawmill employment will continue to decrease, despite the increasing demand for lumber generated by the expected rise in construction activity. A further decline also is projected for the wooden container group.

Occupational composition and trends

In 1960, blue-collar workers made up 84 percent of employment in this industry grouping. Most of these were either semiskilled operatives (43 percent) or laborers (25 percent). The operative residual group, which included sawyers, planers, feeders, press operators, and most other sawmill equipment operators, made up 38 percent of the work force. Other significant occupations included: Managers, officials, and proprietors (7 percent), truckdrivers (5 percent), foremen (3 percent), log and lumber inspectors (3 percent), and carpenters (2 percent).

Between 1960 and 1975, the proportion of laborers is expected to decline, as new mechanized methods of material handling are introduced. This decrease is expected to be most significant in large establishments where the opportunities for mechanization are greatest.

The average size of firms has been increasing steadily, and will continue to contribute to changes in the occupational structure of this industry grouping. The proportions of occupations (such as clerical workers, foremen, and inspectors) that characteristically make up a greater share of the work force in larger establishments will grow. Similarly, the proportion of managers, officials, and proprietors, occupations that are usually more important in small firms, will decrease. Professional and salesworkers, although relatively unimportant, are expected to grow sharply during 1960–75 as the industry attempts to develop and sell the new products needed to compete on the market with the growing variety of wood substitutes.

Furniture and Fixtures (SIC 25)

This major industry group includes establishments engaged in manufacturing household, office, public building, and restaurant furniture, and office and store fixtures.

Employment

Employment in this major industry group has been increasing steadily since 1950 and reached 447,100 workers in 1965. Continued employment growth is expected through 1975, as a result of increasing demand which will be generated by sustained population growth, increasing family formations, rising construction activity, and increasing personal consumption expenditures.

Occupational composition and trends

In 1960, blue-collar workers made up more than three-fourths of the employment in this major industry group. Important skilled workers were cabinetmakers (6 percent), foremen (4 percent), and upholsterers (5 percent). Separate occupational ratios were not available for semiskilled production operatives such as press operators, fitters, chair and table makers, and springmaking machine operators. These workers were combined into the operative residual occupation and accounted for over 40 percent of total employment. Other important occupations included clerical workers (10 percent), managers, officials, and proprietors (7 percent), and laborers (5 percent).

Except for a few occupations, little change in the occupational structure of this major industry group is expected by 1975. Technological developments will have their greatest impact on furniture assembly and materials handling operations. Automatic stackers, conveyors, and hoppers are replacing laborers to transfer material between machines or processes. Pneumatic power clamps and assembly machines now require fewer production and skilled workers to assemble frames, case ends, drawers, and chairs. Power-driven fastening equipment is reducing requirements for upholsterers. The proportion of cabinetmakers also is expected to decline as more specialized power tools such as automatic filers and routers are used. When production processes become more mechanized, the ratio of foremen to workers will increase. Little change is expected in the proportionate employment for the remaining major occupations.

Stone, Clay, and Glass (SIC 32)

This major industry group includes establishments engaged in manufacturing flat glass and other glass products, cement, structural clay products, pottery, concrete and gypsum products, cut stone products, and abrasives and asbestos products, from materials taken principally from the earth as stone, clay, and sand. Separate occupational patterns are available for glass and glass products (SIC 321—323), cement, concrete, gypsum, and plaster (SIC 324 and 327), structural clay products (SIC 325), pottery and related products (SIC 326), and miscellaneous nonmetallic minerals and stone (SIC 328 and 329).

Employment

Private wage and salary employment in this major industry increased about 15 percent to about 627,000 between 1950 and 1965. During 1960—65, little change occurred in the proportions of employment attributable to the component industry groups. Cement, concrete, gypsum, and plaster products, the largest grouping, accounted for one-third of all workers; glass and glass products for about one-fourth; miscellaneous nonmetal minerals and stone for about one-fifth; and structural clay and pottery products combined accounted for about one-fifth percent of total major industry group employment.

Between 1965 and 1975, employment is expected to grow moderately in this major group. Despite the increasing application of technological innovations, employment gains are forecast in glass products, cement, concrete, gypsum, and plaster products; and miscellaneous nonmetallic minerals and stone industry groups, based on projected increases in demand for these products by the construction and motor vehicle industries. However, employment increases in these groups are expected to be partially offset by minor declines in requirements for workers in the pottery and related products group as a result of consumer preference for plastic dishware and kitchenware, and of growing competition from imports, and in the structural clay products group as a result of technological innovations such as automatic instrument controls.

Occupational composition and trends

In 1960, 45 percent of all workers in this major industry group were operatives. In individual industry groups, the proportion of operatives ranged from a high of 60 percent in pottery to a low of 36 percent in structural clay products. The vast majority of operatives, approximately 80 percent in the major industry group, were classified as operatives n. e. c., a category which included many specialized occupations such as bottle machine operators, glass grinders and polishers, cement and concrete makers, cinder block makers, brick molders and bakers, mortar mixers, clay molders, decorators, asbestos spinners, stone planers, and other semiskilled workers. Truckdrivers accounted for 7 percent of the workers in the major industry group. The largest concentration of these employees was in the concrete, cement, gypsum, and plaster industry group where more than 1 worker in 6 was a truckdriver. Foremen, and mechanics and repairmen were most significant in the craftsmen group and accounted for about 14 percent of total major industry group employment. Laborers made up about one-seventh of all employees in the major industry group. In the structural clay products group, however, laborers accounted for about 1 out of 3 workers.

White-collar workers accounted for nearly 1 out of 4 employees in 1960. The largest white-collar group, clerical and kindred workers, employed 7 of every 10 workers in the major industry group. Managers, officials, and proprietors accounted for 8 percent of major group employment or about double the share for professional and technical workers.

By 1975, significant changes are anticipated in some of the occupational proportions within the major industry group. Continued advances in automated equipment and the development of other new techniques are expected to result in substantial reduction in the ratios of some semiskilled and unskilled jobholders. The greatest proportionate decline is expected to occur in the unskilled group; more than 1 or every 3 jobs held by laborers in 1960 may be eliminated by 1975, mainly as a result of mechanization of materials handling and packing. The following summary indicates some of the technological developments that are expected to reduce the proportions of operatives in some segments, and of laborers in this major industry group.

In the manufacturing of flat glass, the "float" process eliminates grinding and polishing operations. In the glass container industry, electrostatic imprinting techniques are replacing decorators, and automatic inspection devices and packing machinery are displacing inspectors and packing operators.

Coloring glass before it goes to the bottle formers saves long, costly procedures of tearing down and cleaning furnaces between color batches and reduces manpower requirements for maintenance. In the manufacture of concrete block, new production techniques include automatic conveying and steering of raw materials, monitoring by closed-circuit television; computer control of kilnburners, grinders, crushers, and blending tanks; and automatic block loaders and unloaders.

Much of the decline of the miscellaneous operatives category will be counterbalanced by an increase in the proportion of truckdrivers, who are expected to account for 1 out of every 10 workers in this industry by 1975. All segments of the major industry are expected to have increased proportions of truckdrivers, but the greatest growth will occur in the concrete, cement, gypsum, and plaster grouping. It is expected that over 1 out of 5 workers in this grouping will be a truckdriver by 1975. In the early 1960's, truck surpassed rail as the dominant method of transporting concrete and cement, and the trend is expected to continue. Among craftsmen in the stone, clay, and glass products industry, increased requirements are anticipated for the skills of foremen and other mechanics and repairmen, to control and service the more complex, highly automated equipment.

White-collar workers will continue to account for approximately 1 out of every 4 employees in the major industry group.

Primary Metals (SIC 33)

This major industry group covers establishments engaged in the production of ferrous and nonferrous metals from ore, pig, and scrap; and the manufacture of semifinished products such as billets, sheets and bars, and finished products such as tubes, nails, and insulated cable. It also includes foundries, the production of coke, and the manufacture of forgings. Occupational patterns are available for blast furnaces, steel works, and rolling mills (SIC 3312 and 3313), foundries, forge shops, and other primary iron and steel (3315–3317, 3399, 332 and 3391), and primary nonferrous metals (333–336 and 3392).

Employment

Except for shortrun fluctuations, reflecting changes in business conditions, private wage and salary employment in this major industry group have remained relatively stable at about 1.2 million during 1950–65. Total employment in the major industry group is expected to follow the same fluctuating pattern between 1965 and 1975. The varied industry employment growth rates of the past also are expected to continue, i.e., fluctuating employment levels in the blast furnaces, steel works, and rolling mills grouping (which accounted for nearly one-half of total employment in 1965); moderate employment growth in the primary nonferrous metals grouping; and a moderate decline in the other primary iron and steel grouping.

Occupational composition and trends

In 1960, blue-collar workers made up about 80 percent of total employment in this major industry group. The operatives group, which accounted for nearly 33 percent of the work force, included several occupations which have significant shares of total employment such as furnacemen, smelterers, and pourers; and welders and flame cutters. Occupations having significant proportions of total employment in the craftsmen groups were: Foremen (5 percent); cranemen, derrickmen, and hoistmen (4 percent); mechanics and repairmen and metal molders (3 percent); rollers and roll hands and electricians (2 percent); and millwrights (1 percent). Laborers accounted for a large proportion (15 percent) of total employment.

More than one-half of the white-collar workers were in clerical occupations, and about one-fourth were in the professional, technical, and kindred workers group. Although the occupational structures of the three major groupings in this industry were somewhat similar, the proportion of operatives to total employment in the primary nonferrous metals grouping (40 percent) was higher than the major industry average (33 percent), and the proportion of laborers (8 percent) was considerably lower.

Between 1960 and 1975, the blue-collar ratio is expected to decline only slightly in this major industry group. However, several significant changes are expected to occur within occupational groups, primarily as the result of technological developments.

The laborers' share of total employment is expected to decline almost one-third as the result of the expanded use of the continuous casting process and automatic billet conditioners, which will reduce intermediate operations and handling of materials. The ratios of molders and machinists are expected to decline as the result of technological developments such as mechanized molding and close tolerance forging techniques. Similarly, employment of operatives and inspectors will be affected by other developments such as the basic oxygen furnace, high-speed wire making machines, X-ray metal analysis, and inspection machines.

On the other hand, the proportionate shares of employment for mechanics and repairmen, foremen, and millwrights are expected to increase as a result of the rising need for more supervision and of the expanding maintenance requirements.

Among white-collar workers, engineers (particularly metallurgical), technicians, and salesworkers are expected to increase significantly because of increasing research and development activities, and anticipated rising intra- and interindustry competition among domestic and foreign producers.

Fabricated Metal Products, Including Ordnance (SIC 34 and 19, Except 194)

This industry grouping is composed of establishments engaged in the fabrication of ferrous and nonferrous products such as hardware, plumbing fixtures, structural steel, screw machine products, and metal stampings and the finishing (for example, electroplating) of these products, and in the manufacture of ordnance including missiles and spacecrafts, and accessories. The production of ordnance sighting and fire control equipment (SIC 194) is excluded.

Employment

Private wage and salary employment in this industry grouping rose unevenly during the past decade and a half, to nearly 1.5 million workers in 1965.[37] Throughout most of the 1950's and early 1960's, employment in the fabricated metals industry group fluctuated around 1.1 million; the number of workers employed in the ordnance segment increased steadily as the result of sharply expanded output of missiles, spacecrafts, and related equipment. From 1963 to 1965, employment declined in the ordnance segment and increased moderately in the fabricated metals group. The latter trends are expected to persist through the mid-1970's; employment will continue to rise moderately for the total industry grouping.

Occupational composition and trends

In 1960, more than two-thirds of the total work force in the industry grouping were blue-collar workers. Most of these workers (almost 37 percent of total employment) were in the operative group, which included machine tool operators, assemblers, and inspectors. Significant occupations among the craftsmen group (which accounted for almost 1 out of 4 workers) included foremen, machinists, tool and diemakers, and mechanics.

Clerical workers were the most significant group among white-collar occupations, and accounted for more than 14 percent of total work force. In the professional, technical, and kindred workers group (which made up nearly 10 percent of total employment), 7 out of 10 workers were engineers and technicians (including draftsmen).

Between 1960 and 1975 this industry grouping is expected to use a greater proportion of scientists, engineers, and related technicians. This growth will be largely in those parts of industry concerned with spacecraft, missiles, and accessories. The adoption of electronic data processing should reduce the proportionate requirements for clerical workers and contribute to increased requirements for computer programers and systems analysts. (The latter are included in the professional n. e. c. category.)

The impact of automatic transfer equipment has been greater in this industry than in any metalworking industry except the manufacture of motor vehicles and parts. In 1963, about 5,000 transfer machines—more than one-fourth of all such machines in use—were installed in the fabricated metals and ordnance industry grouping and nearly 60 percent were less than 10 years old. Of this total, about 2,100 were used in metal cutting operations, 1,300 for assembly operations, and 1,600 in metal forming departments. The transfer line technique has been used with a high degree of success in additional operations such as plating.

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[37] Government workers accounted for about 3 percent of employment in this industry grouping, nearly all of them in the ordnance segment; the remainder were primarily private wage and salary workers.

The expanded use of these and other technological innovations such as numerically controlled machines and mechanized materials handling equipment will affect adversely additional blue-collar occupations such as laborers and sheet metal workers. Among the operatives, employment of assemblers, inspectors, electroplaters and helpers, and machine tool operators is expected to be affected adversely by the increasing application of technological innovations such as automatic transfer equipment.

On the other hand, some blue-collar occupations are expected to increase. For example, the ratios of foremen, and mechanics and repairmen are expected to rise as the result of the need for more skilled supervision and maintenance of mechanical equipment.

Office, Computing, and Accounting Machines Industries (SIC 357)

This industry group includes establishments engaged in the production of computers and accounting machines and their peripheral equipment; cash registers; addressing and dictating machines; typewriters and time clocks; and weighting machines and apparatus, except those used for scientific experimental purposes.

Employment

Between 1950 and 1965, this industry more than doubled in size to nearly 190,000 private wage and salary workers. This increase resulted primarily from the sharp jump in demand for electronic computers and peripheral equipment. The number of computers increased from a few experimental units before 1950 to over 30,000 installations by the end of 1965. There was little change, however, in the output of adding machines, calculating machines, and cash registers during this period, because imports increased more than 500 percent and in 1965 were equal to about one-half of domestic production. During 1950–1965, foreign competition also caused a drop in employment and output among establishments manufacturing typewriters, and scales and balances; by 1965, imported typewriters exceeded domestic production.

Between 1965 and 1975, employment in this industry is expected to increase nearly 50 percent, mainly because of the anticipated continued rising demand for computers and related equipment.

Occupational composition and trends

In 1960, about 54 percent of this industry group's employment consisted of blue-collar workers—a low ratio for a manufacturing industry. Assemblers accounted for about 10 percent of the work force, and inspectors and machine tool operators combined, an additional 6 percent. Mechanics and repairmen made up 6 percent of total employment and about 1 out of 3 craftsmen. Other significant occupations in this latter group included foremen, tool and diemakers, and machinists.

Professional, technical, and kindred workers accounted for over one-fifth of the workers in this industry group—nearly 73 percent were engineers and technicians, including draftsmen. The miscellaneous professional workers group, which included computer programers and systems analysts, was estimated to have 2 percent of total employment. Clerical workers, stenographers, typists, and secretaries made up almost 5 percent of the work force. Managers, officials, and proprietors, and salesworkers, also had significant ratios (6 and 4 percent, respectively).

This industry has been shaped by rapid growth in demand for computers and by technological developments that have affected innovations in computer production processes and product changes. Computers have found increasing application in government, research laboratories, education, business, and industrial production. They have evolved from mammoth, vacuum-tube machines requiring extensive hand assembly by skilled technicians and engineers to compact solid-state equipment assembled in part by mass-production techniques. Significant technological innovations include computer-controlled wire-wrapping machines, computer designed circuitry, modular and microminiaturization of componentry, and numerically controlled metal stamping and drilling machines.

Between 1960 and 1975, there will be a sharp change in the occupational composition of this industry group. White-collar workers are expected to account for more than 50 percent of total employment; more than one-fourth of the work force will be in the professional, technical, and kindred group. The proportions of engineers, scientists, and technicians are expected to rise sharply in response to the need for these workers in research and in development activities to improve production processes, advance machine capabilities, and to broaden the application of computers. Among clerical workers, the rising proportion of stenographers, typists, and secretaries is expected to more than offset the anticipated declines in the proportions of other clerical workers such as hand bookkeepers.

Most of the significant occupations in the blue-collar group are expected to be affected adversely by technological innovations. For example, the relative importance of inspectors will decline as electronic inspecting and testing devices are utilized increasingly in production processes. Machine tool operators, machinists, and tool and diemakers are expected to decline as the use of numerically controlled machine tools and automatic transfer equipment rises.

Nonelectrical Machinery, Except Office, Computing, and Accounting Machines (SIC 351–356, 358, and 359)

This industry grouping includes establishments engaged in manufacturing engines and turbines; farm machinery and equipment; construction, mining, and materials handling equipment; metalworking machinery, special production machines for industries (such as food products, textiles, paper, woodworking, and printing); general industrial machinery (such as pumps, compressors, ball bearings, blowers, and industrial process furnaces); and service industry machines (such as automatic vending machines and commerical refrigeration); and also included are machine shops that do jobbing and repair work. Separate occupation patterns are available for farm machinery (SIC 352) and for all other machinery (SIC 351, 353–356, 358, and 359).

Employment

Private wage and salary employment in this industry grouping rose more than four-tenths to 1. 5 million, between 1950 and 1965, primarily because of rapid employment increases that occurred in the metalworking machinery and miscellaneous machinery groups as the result of growing demand for products such as automatic transfer equipment, numerically controlled machines, and motor vehicle parts.

Between 1965 and 1975, total employment in the all other and farm machinery industry grouping is expected to continue increasing but at a much slower rate than that in 1950–65.

Occupational compostion and trends

In 1960, blue-collar workers made up about 69 percent of total employment in this industry grouping. The operatives group, which accounted for over 35 percent of all workers, included large numbers of machine tool operators, assemblers, and welders. Among the skilled craftsmen group, foremen, machinists, mechanics and repairmen, and tool and diemakers, also had significant proportions of total employment.

Clerical workers (of whom more than one-fourth were secretaries, typists, and stenographers) accounted for about 13 percent of the total work force. Professional and technical workers, most of whom were engineers, draftsmen, and technicians, were 9 percent of total employment; and managers, officials, and proprietors accounted for about 7 percent of the work force.

Between 1960 and 1975, technological innovations will have diverse effects on the individual blue-collar occupations. Automatic transfer equipment is expected to effect declines in the ratios of machine tool operators, assemblers, inspectors, and laborers. Numerically controlled machine tools also will affect adversely machine tool operators and craftsmen such as machinists, and tool and diemakers. Offsetting these declines somewhat will be rapid growth in two other occupations having significant proportions of total employment. The foremen ratio is expected to increase as the need rises for more skilled supervision. The ratio of welders will rise because requirements for joining operations in this industry are expected to increase very rapidly through the mid-1970's.

In the white-collar group, requirements for mechanical engineers, computer programers, and numerically controlled machine tool parts programers are expected to increase rapidly because of the anticipated rapid rise in the production and use of numerically controlled machine tools and the growing use of electronic data processing equipment. The decline in clerical workers affected by electronic data processing is expected to be partially offset by an increase in the ratios of secretaries, typists, and stenographers.

Electrical Machinery, Equipment, and Supplies (SIC 36)

This major industry group includes establishments engaged in manufacturing motors, generators, switchgears, wiring devices, electronic components, communications equipment, and other machinery, apparatus, and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy. The manufacture of household appliances and radio and television sets is included in this group, but industrial machinery and equipment powered by built-in or detachable electric motors are not included.

Employment

Private wage and salary employment in this major industry group rose about 67 percent, between 1950 and 1965, to about 1.7 million, a rate of increase nearly four times that of all manufacturing employment during the same period. Since 1958, employment in the industry groups primarily manufacturing electronic products[38] (communications equipment, radio and television receivers, and electronic components) increased more than twice as fast as employment in the remaining five groups, which primarily manufactured electrical products. Much of this employment increase occurred in the communications industry (SIC 3662), which also manufactured military and space electronics products such as radar and communications systems. Many of these products were highly complicated and sophisticated and not readily adaptable to mass-production methods. On the other hand, many of the production processes in the electrical products segments involved the fabrication of metal or plastics parts, which were usually mass-produced.

Between 1965 and 1975, employment in electrical machinery, equipment, and supplies is expected to increase about 20 percent—a slower rate than in the previous period.

Occupational composition and trends

In 1960, blue-collar workers made up 61 percent of total employment. Operatives accounted for more than two-thirds of these workers and included large numbers of assemblers, inspectors, and machine tool operators. In the craftsmen and foremen group, foremen were 4 percent of total employment, and significant numbers of mechanics and repairmen, stationary engineers, and tool and diemakers also were employed.

Professional, technical, and kindred workers made up the second largest occupational group in this major industry group (18 percent). Engineers and technicians (including draftsmen) accounted for more than 3 out of 4 workers in this group—14 percent of all employment and a high ratio for a manufacturing industry. Clerical workers made up 15 percent of total employment—nearly one-third were stenographers, typists, and secretaries.

The occupational composition, however, varied considerably among the individual establishments within this major industry group. In 1962, for example, engineers and other technical workers accounted for about one-third of the total work force in some establishments manufacturing military and space electronics products; operatives made up less than one-fourth. At the other extreme, in establishments manufacturing consumer electronics products (such as radio and television receiving sets), the operative group accounted for 60 percent of the work force—more than five times larger than the combined group of engineers and technical workers.

Professional and technical workers are expected to increase the fastest among all occupational groups in this major industry group. A large portion of both government and private expenditures for research and development is made in this industry. As a result, engineers, scientists, and technicians will be needed for research and development of increasingly complicated electronics equipment. The ratio of draftsmen, however, is expected to decline because of the increasing application of computers and other labor-saving drafting techniques, particularly in the design of electric circuitry. Clerical workers are expected to decline as a proportion of total employment because of the growing use of computers for data processing and the trend toward centralization of many clerical functions. Partially offsetting these declines will be increases in the number of secretaries, typists, and stenographers to work with the increasing proportions of professional and technical workers, and office machine operators particularly those associated with automatic data processing equipment.

Operatives, as a proportion of total employment, are expected to decline but still remain the largest major occupational group of workers. Within the operative group, assemblers, inspectors, and machine tool operators are expected to be affected adversely by the increasing use of automated assembly lines, automatic transfer equipment, and numerically controlled machine tools. The increasing use of transistors, printed circuits, and microcircuits in place of tubes and wired circuits is also expected to reduce the proportionate requirements for assemblers and increase the need for chemical and metallurgical process workers. In the craftsmen group, foremen and mechanics and repairmen are expected to increase rapidly and reflect the anticipated demand for more skilled supervision and maintenance associated with the growing utilization of automated and process control equipment.

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[38] Additional information about the industry manufacturing electronics products can be found in BLS Bulletin 1363, Employment Outlook and Changing Occupational Structure in Electronics Manufacturing (October 1963).

Transportation Equipment (SIC 37)

This major industry group comprises establishments engaged in the manufacture of transportation equipment. Occupational patterns are available for each of the following: Motor vehicles (SIC 371), aircraft and parts (SIC 372), ship and boat building and repair (SIC 373), and railroad and other transportation equipment such as bicycles, motorcycles, and trailer coaches (SIC 374–379).

Employment

Employment in this industry has fluctuated since 1950 in response to general business activity and technological changes. The employment peak—about 2 million private wage and salary workers—was reached in 1953; in 1965 the employment level stood at about 1.7 million. Employment trends varied among the industry groups. Private wage and salary employment in the largest group, motor vehicles and equipment, reached a peak level of more than 900,000 workers in 1953; fluctuated downward to a low of less than 610,000 workers in 1958; and then climbed to more than 843,000 workers in 1965. Private wage and salary employment in the aircraft group increased from fewer than 300,000 in 1950 to nearly 900,000 in 1957; by 1965, however, this employment had declined to 625,000. The conversion from piston-driven to jet-powered commercial planes, involvement of aircraft companies with space-probe programs, research and development programs, and the tensions of the international scene were major factors contributing to employment changes in this industry group.

Private wage and salary employment in the ship and boat building and repair group increased more than 80 percent between 1950 and 1965. In 1965, employment in government shipyards (as a proportion of the total) was 35 percent. The total employment level of about 244,000 workers in 1965 was only a small fraction of the more than 1 million employed in shipbuilding during the peak World War II years. Shipbuilding and repair activity in the United States have been affected adversely by a relative decline in demand for military vessels and strong international competition for building of commercial ships. However, employment in establishments building and repairing boats has grown steadily as demand for small craft, particularly for family use, has risen sharply in the past decade.

The private wage and salary employment trend in the railroad equipment industry group was similar to the employment pattern for the major industry group during 1960–65. Private wage and salary employment peaked in 1953 at about 80,000; dipped, and then recovered somewhat through 1957 at 63,000; declined rapidly to about 35,000 in 1961; and then rose steadily to about 55,000 in 1965. The course of employment in this industry group can be attributed primarily to the conversion from steam to diesel locomotives among the railroad companies, which was virtually completed by 1958. Because of the durability of diesel units, few replacements have been purchased. However, purchase of replacement locomotives may increase now because of the demand for bigger and more powerful units, and the approaching obsolescense of existing units.

Private wage and salary employment in the miscellaneous transportation equipment group has increased steadily since 1958 to more than 54,000 in 1965, primarily because of the rising demand for trailer coaches.

Total major industry group employment is expected to be about the same in 1975 as in 1965, as anticipated decline in the aircraft and motor vehicle industry groups offset moderate employment increases among the other industry groups.

Occupational composition and trends

In 1960, blue-collar workers accounted for 71 percent of total employment in this industry. Operatives made up about 2 out of 5 workers and craftsmen, 3 out of 10. Among the white-collar workers, clerical workers accounted for about 1 out of 8 workers, and engineers and technicians combined, 1 out of 12.

The proportions of occupations to employment among the individual industry groupings, however, differed widely. White-collar workers accounted for about 43 percent of all aircraft employment. The ratio of professional, technical, and kindred workers was about three times higher in the aircraft group than in each of the other industry groupings. Engineers and technicians made up 15 percent of the aircraft work force. The clerical worker ratio (18 percent) also was significantly higher than in the other industry groupings. Among blue-collar workers in the aircraft group, the ratios of mechanics and repairmen (8 percent) and machine tool operators (3 percent) were higher than in all other industry groupings; the laborers ratio, on the other hand, was considerably lower (1 percent).

More than 1 out of 5 workers in the industry groupings, except aircraft, were in white-collar occupations, and nearly one-half of them were clerical workers.

Over 80 percent of the workers in the motor vehicle industry were in blue-collar occupations; almost two-thirds of the blue-collar workers were operatives. Assemblers, by far the largest occupation, accounted for about 18 percent of the motor vehicle work force. Other blue-collar occupations with significant ratios in this industry were laborers and welders (4 percent each), inspectors (5 percent), mechanics and repairmen (6 percent), and machine tool operators (8 percent). Blue-collar workers accounted for almost 8 out of 10 workers in the shipbuilding industry group and more than 62 percent were in the craftsmen, foremen, and kindred workers group. The proportions of carpenters, electricians, painters, machinists, and sheet metal workers were considerably higher in the shipbuilding industry group than in each of the other industry groups. Although the proportion of operatives in this group (21 percent) was the lowest among the transportation industry groupings, welders accounted for over 8 percent of the shipbuilding and repair work force. The occupational composition of the railroad and other transportation equipment groups resembled somewhat the occupational structure of the shipbuilding group; significant were ratios of craftsmen, welders, and laborers, and relatively low were proportions of professional and technical workers. Despite the differences in the occupational structures, the proportion of foremen to total employment in each industry grouping was about 4 percent.

Between 1960 and 1975, the rising proportion of white-collar workers will reflect, primarily, the increased demand for engineers and technicians in the research and development activities of motor vehicle, shipbuilding, and aircraft manufacturing. Technological innovations such as numerically controlled machine tools, automatic transfer equipment, conveyor systems, and other mass-production techniques are not new to the transportation major industry group, particularly the motor vehicle industry. However, as they are utilized even more, significant declines will be effected in occupations such as machine tool operators, machinists, assemblers, and laborers.

Professional and Scientific Instruments (SIC 38 and 194)

This industry grouping includes establishments engaged in the manufacture of scientific, medical, photographic, optical, and related instruments, equipment and supplies, watches and clock devices; and sighting and fire control equipment. It excludes instruments which analyze electrical characteristics. Separate occupational patterns are available for the watches and clocks (SIC 387) and for instruments and fire control equipment (SIC 38 except 387 and 194).

Employment

Private wage and salary employment in this industry grouping increased about 60 percent to about 400, 000 between 1950 and 1965; however, employment in sighting and fire control equipment (SIC 194) has decreased about 70 percent since 1958.

Between 1965 and 1975, total employment is expected to continue to rise rapidly in response to increasing demand for instruments in research and development activities, and for automatic controls in the manufacturing process of many industries.

Occupational composition and trends

In 1960, white-collar workers accounted for about 45 percent of total employment in this industry grouping. Engineers and technicians made up more than 13 percent of the total work force. As is the case in all industries which have high proportions of professional and technical workers, the clerical worker ratio was also significantly high (over 17 percent). Managers accounted for about 7 percent of total employment.

Among the operatives group, assemblers was the largest occupation (8 percent), followed by inspectors and machine tool operators. Foremen made up the largest occupation (more than 4 percent) in the craftsmen group. Other craftsmen having significant ratios, included mechanics and repairmen, opticians, stationary engineers, tool and diemakers, and machinists. Service workers and laborers combined, made up about 3 percent of total employment.

The occupational ratios in the watches and clocks industry (which accounted for less than 10 percent of total employment in 1965) differed markedly from those in the instruments industry which excludes clocks. Blue-collar workers, particularly operatives, accounted for over 70 percent of the work force. Professional, technical, and kindred workers made up about 5 percent.

The instruments grouping industry is composed of many small establishments, many producing custom-designed devices for special functions. In addition to product diversity and complexity, the fast-moving pace of technological change hastens product obsolescence. As a result, the use of automatic production techniques is somewhat restricted. Nevertheless, the increasing use of labor-displacement equipment where possible will affect some occupational changes among operatives and materials handlers.

Although the blue-collar and white-collar worker relationship will change only slightly in this industry grouping by 1975, significant changes are expected among the occupations. The most rapid growth will be among professional and technical workers, who are expected to account for one-fourth of total employment, mainly in response to increasing research and development activities, and the growing complexity of production processes in this industry grouping. Among the plant workers, most related metalworking and materials handling occupations are expected to be affected adversely by technological innovations such as numerically controlled machine tools, automatic transfer equipment, and other conveyorized systems, particularly in the larger manufacturing establishments.

Miscellaneous Manufacturing Industries (SIC 39)

This major industry group includes establishments engaged in the manufacture of jewelry, silverware, musical instruments, toys, athletic goods, office supplies, costume jewelry and notions, morticians' goods, barbershop equipment, and other manufactures not elsewhere classified.

Employment

Between 1950 and 1965, employment rose very rapidly in the toys, amusements, sporting and athletic goods group (which accounted for about one-fourth of total employment in this major industry group in 1965); employment declined somewhat in the "other" miscellaneous manufacturing groups (which accounted for about 40 percent of total industry employment in 1965). Total major group employment was about 445,000 in 1965, of whom 421,000 were private wage and salary workers.

Between 1965 and 1975, employment is expected to increase moderately despite the increasing application of laborsaving technology and foreign competition.

Occupational composition and trends

In 1960, blue-collar workers accounted for more than 7 out of 10 workers in this major industry group. About 36 percent of the work force were operatives n.e.c., which included artificial pearl makers, musical instrument makers, doll makers, bowling-pin refinishers, button breakers, and bobbypin makers. These occupations reflect the many and diverse products manufactured in this major industry group. Assemblers accounted for about 1 out of 8 operatives. Among the skilled worker group, foremen, mechanics and repairmen, jewelers, and patternmakers had significant ratios. Clerical workers accounted for nearly one-half of the white-collar workers; managers, officials, and proprietors made up about 9 percent of the total work force.

This major industry group is characterized by many small establishments. In 1964, about three-fourths of the more than 13,000 reporting units had fewer than 20 employees. As a result, the rate of technological change is expected to be somewhat slower in this major group than in most other manufacturing industries.

By 1975, the occupational composition in this major industry group is expected to change only slightly; blue-collar workers will still account for about 7 out of 10 workers. The operatives ratio is expected to decline because of technological innovations, such as plastic blow molding and spray painting techniques, which will affect adversely this occupational group in the toys industry group. Similarly, the increasing application of mechanized materials handling equipment such as conveyor systems will affect adversely laborers. On the other hand, the proportion of craftsmen and foremen is expected to increase in response to the growing demand for more skilled workers such as patternmakers to produce anticipated expanding output. Among white-collar workers, increases in professional and technical, and clerical workers are expected to more than offset the anticipated relative decline in managers, officials, and proprietors.

Food Products (SIC 20)

This major industry group consists of establishments engaged in the processing of meats, milk, sugar, and grain and their conversion into food products. It also includes the manufacture of confectionery products, alcoholic and nonalcoholic beverages, and miscellaneous products such as edible and inedible fat and oil, ice, and animal feeds. Occupational patterns are available for meat products (SIC 201), dairy products (SIC 202), canned and preserved foods, except meat (SIC 203), grain mill products (SIC 204), bakery products (SIC 205), beverages (SIC 208), and all other miscellaneous foods (SIC 206, 207, and 209).

Employment

Despite a 5-percent employment decline since 1956, food products remained one of the largest major manufacturing groups in 1965, employing nearly 1.8 million workers. The slow decline or relatively constant levels of employment among the individual industry groups mainly reflected the impact of labor-saving technology, which offset steadily rising production levels in this industry during 1956–65. In 1965, the three largest industry groups, meat, dairy, and bakery products, accounted for about 50 percent of the major industry group employment.

Between 1965 and 1975, employment in this major group is expected to remain relatively stable, as rapid employment growth in the canning, preserving, and freezing (except meat) industry group offsets a continuation of the slowly declining trend among the remaining industry groups.

Occupational composition and trends

In 1960, more than 7 out of 10 workers were in blue-collar occupations, of which operatives accounted for nearly two-thirds. In general, most operatives performed specialized activities peculiar to their industry, such as bacon slicer, boner, beef killer, beef skinner, bolognamaker, chicken dresser, buttermaker, cheese cutter, apple peeler, bean snapper, alfalfa dehydrator, bread catcher, bread molder, bread slicer, beer cooler, beer runner, and candymaker. They were classified as operatives n. e. c., and accounted for about one-third of the total major industry group employment. Drivers and deliverymen were two other operative occupations having significant ratios. Among the craftsmen group, foremen, and mechanics and repairmen had significant shares of employment in all the industry groups, and reflected the overall needs for skilled supervision and for maintenance of machinery, materials handling equipment, and motor vehicles, used in this major group. The significant ratio for bakers mirrored the large employment of these workers, primarily in the bakery products group. Laborers accounted for over 9 percent of total employment, a considerably larger ratio compared with the average ratio for laborers among all nondurable manufacturing industries. Conversely, professional, technical, and kindred workers accounted for less than 3 percent of the work force, about one-half the nondurable average for the same workers. Managers, officials, and proprietors; and salesworkers accounted for larger-than-average proportions of employment, and reflected the large number of establishments and strong competition in this consumer-oriented major industry group.

Among the individual industry groups in 1960, occupational patterns varied widely. For example, in the bakery products group, each of the following occupations—bakers, deliverymen and routemen, or operatives n. e. c.—accounted for about 1 out of 5 workers; the laborers ratio for this group was less than one-half of the ratio for laborers in the major group—food and kindred products. In the meat products industry group, operatives n. e. c., accounted for more than one-half of total employment. In the canning, preserving and freezing, and beverage groups, almost 12 percent of the work force were laborers. In the dairy products group, deliverymen and routemen, the largest occupation, accounted for over 24 percent of employment.

Despite increases in population and personal income (factors directly related to the demand for food products), employment in this major industry group has declined because of industry expenditures for technological innovations that have increased output per worker. These innovations, which have affected occupational structures as well as employment, include: Computers for automatic data processing and control of production processes in milk processing and rendering of animal fat; highly automated bakery, brewery, and chocolate candy plants; pneumatic (air) conveyor systems for handling bulk grains and flour; automatic bacon slicer and continuous weiner machines; animal dehiding and de-hairing machines; better designed plant layout to facilitate movement of materials; and large multiproduct plants that can take advantage of the economics of large-scale production. Expenditures for plant and equipment in the food and related products major industry group are expected to continue increasing through the mid-1970's. For example, it is anticipated that the 1966 annual rate of expenditures for plant and equipment in this major group will have risen 45 percent above the 1962 annual rate of nearly $1 billion. As a result, the anticipated rising demand for products of this major group will continue to be met by increased output per worker.

By 1975, the occupational composition of this major industry group will reflect the sustained impact of technological innovations. White-collar workers are expected to account for about 3 out of 10 of total employment as growth in all occupational groups in this category contribute to the increase. Among the blue-collar workers, the most significant decreases will be in the proportions of laborers, operatives n. e. c., and bakers, as these occupations appear to be particularly vulnerable to the labor-displacement effects of mechanization. Some blue-collar occupations, however, are expected to increase as proportions of total employment. For example, foremen, and mechanics and repairmen, are expected to grow in response to the demand for more skilled supervision and maintenance requirements. In addition, deliverymen and routemen will increase as suburban populations and the concomitant demand for home delivery services rise.

Tobacco Products (SIC 21)

This industry group includes all establishments engaged in the processing (stemming and redrying) of tobacco, and in the manufacture of cigarettes, cigars, and other tobacco products such as chewing tobacco, smoking tobacco, and snuff.

Employment

Employment in this major industry group has been decreasing almost uninterruptedly since World War II, and in 1965, employment was about 87,000 workers. Most of the decline occurred in the cigar manufacturing industry group where employment dropped over one-half during the post-war period.

Occupational composition and trends

Over 57 percent of the workers in this major industry group are in the miscellaneous operatives occupational group. Included in this heterogeneous group are machine operators and tenders, cigarmakers, checkers, wrappers, rollers, and most other workers directly involved in the manufacturing process. Outside the operatives group, important specific occupations are foremen (5 percent) and mechanics and repairmen (3 percent).

For sometime the production of cigarettes has been one of the most highly mechanized of all manufacturing processes. Integrated machines wrap, cut, inspect, and package cigarettes in a continuous process. Because of the already high degree of mechanization, technological changes for the most part will aim to improve existing machines. Labor-savings in cigarette manufacturing are expected to use faster equipment, electronic quality control and inspection devices, and improved conveyor systems.

The most significant changes in technology are occurring in cigarmaking. The recent development of a reconstituted tobacco sheet of uniform size and texture now makes it possible to produce cigars at a much faster rate in a continuous manufacturing process. The processed sheets are used to bind and wrap cigars which eliminates much of the hand labor previously needed. A fully integrated production process—making, wrapping, banding, and packing—already has been introduced in some large plants, and is expected to spread rapidly.

During 1960–75, the proportion of operatives to total employment is expected to continue to decline. Increased speeds of cigarette manufacturing machines, together with the adoption of continuous process production methods in cigarmaking, will cut sharply into the demand for these workers. Requirements for laborers will decrease as conveyors and other mechanical methods replace the manual movement of material. Additional needs for mechanics and repairmen, and technicians will result from the adoption of increasingly complex machinery, and electronic control and inspection devices. The competitive nature of this major industry group will effect further growth in the proportion of salesworkers. The other white-collar occupational groups—clerical and managers—will grow in relative importance, offsetting the decreases expected in the blue-collar occupations.

Textile Mill Products (SIC 22)

The textile mill products major industry group is comprised of yarn, thread, and fabric mills; knitting mills; dyeing and finishing plants; manufacturers of floor coverings such as rugs and carpets; and the manufacture of miscellaneous textile mill products.

Employment

Between 1950 and 1965, employment in this major industry group fluctuated downward to about 925,000 workers. More than one-half of these workers were in the yarn, thread, and fabric mills industry groups, which had the most rapid employment declines in the major industry group. Between 1965 and 1975, employment is expected to continue declining because of anticipated rapid increases in output per worker resulting from the increasing use of technological innovations.

Occupational composition and trends

In 1960, significant occupations in this major industry group included: Sewers and stitchers (7 percent), spinners (5 percent), weavers (6 percent), and knitters, loopers and toppers (5 percent). Most of the remaining process workers, such as doffers, colorists, drying-frame operators, loom threaders, spool winders, and yarn sorters, were included in the residual operative group, which accounted for almost 44 percent of total employment. Other important occupations were laborers (5 percent), foremen (4 percent), clerical workers n. e. c. (4 percent), mechanics and repairmen, and loom fixers each (3 percent).

Changes in the occupational structure of this major industry group result primarily from the modernization of plant and equipment. Some acceleration in the adoption of new technology is expected in the years ahead as large firms which have greater investment capabilities grow in importance and small marginal companies are displaced. The rate of investment in recent years, although relatively low compared with most manufacturing industries, has been increasing. Textile plants are installing higher speed, larger capacity carding, drawing, spinning, knitting, and weaving machinery. Spindle and winding speeds have almost doubled in the past decade and further increases are expected. These innovations will tend to decrease the ratio of spinners and weavers in the major group. The proportion of knitters, however, will not change significantly, since the reduced labor requirements resulting from increased machine speeds will be offset by the continued growth of demand for knit goods, in which manpower requirements remain high.

Changes are occurring also in the production of other textile products. Over 85 percent of carpet yardage is now produced using the mechanical tufting process, compared with only 8 percent in 1951. This trend has reduced requirements for weavers, but will not have much effect in the future because of the high proportion of mills already using the tufting process. New automatic equipment for dyeing and finishing is being developed and will reduce the need for some semiskilled process workers. The reduction in share for operatives due to the acceleration and mechanization will raise the ratio of machine maintenance workers. Laborers, especially those who move material, will decline as a proportion of total employment, because of more efficient plant layouts and improved conveyor systems. Expanding research facilities in large establishments and the increasing use of computers will raise requirements for professional workers, such as engineers and programers.

Apparel and Related Products (SIC 23)

This major industry group includes firms producing clothing and fabricated products by cutting and sewing purchased woven or knit textile fabrics and related materials such as leather, rubberized fabrics, plastics, and furs. Also included are apparel jobbers, who perform all entrepreneurial functions of a manufacturing company, except the making of the apparel, for which they employ contract factories.

Employment

Between 1950 and 1965, employment in this major industry group increased 13 percent, to about 1.4 million workers. Demand for apparel and related products is associated closely with population levels, age characteristics, and personal income, all of which are expected to change faster during the decade ahead than in the past. As a result, employment is expected to increase at a faster rate between 1965 and 1975 than during the past decade, despite technological developments.

Occupational composition and trends

In 1960, sewing machine operators and finishers and the residual group operatives n.e.c., which included occupations such as thread trimmers, form makers, clothing cutters, and hand pressers, each accounted for over 38 percent of total employment. White-collar workers, mainly clerical (8 percent) and managers and proprietors (5 percent), made up less than 16 percent of the group's employment.

Technological development in the apparel industry has been hampered by changing and varied consumer style preferences, small size of work lots, the large number of relatively small size plants, the large number of operations in making a garment, and the multiplicity and changing nature of fabrics. Some lines, such as sportswear, pajamas, slips, and polo shirts, have been adaptable to mass-production and mechanization of some operations, e.g., cutting and pressing, but for the most part, output has been dependent largely upon manual skills. Improvements in sewing machines such as higher speeds and special attachments will continue to be introduced. Nevertheless, sewers and stitchers appear to be increasing their share of total employment; they are projected to reach 44 percent of total by 1975, and to offset a reduced share for the operative n.e.c. group. Managers and proprietors, as a proportion of total employment, are expected to decline as the number of smaller firms continues to drop. The growing volume of business and the increase in larger size establishments should result in an increased proportion of clerical personnel. Innovations in materials handling equipment are expected to reduce the proportion of laborers.

Additional technological developments in this major industry group include: Adhesives instead of sewing to bind materials, disposable materials such as paper for uniforms and dresses, and some household furnishings, e.g., bed sheets, and nonwoven fabrics. At present, these developments are primarily in experimental stages and it is difficult to evaluate their impact upon the occupational structure of this industry.

Paper and Allied Products (SIC 26)[39]

This major industry group includes the manufacture of pulps from rags and wood and other cellulose fibers; and the manufacture of paper and paperboard into converted products such as paper coated off the paper machine, paper bags, paper boxes, and envelopes. Separate occupational patterns are available for three industry groupings—pulp, paper, and paperboard (SIC 261, 263, and 266), paperboard containers (SIC 265), and other paper products (SIC 264).

Employment

In 1965, about 640,000, a 32 percent increase over 1950 employment levels, were employed in this major industry group. Employment growth, however, varied among the three broad groupings. Employment increased very rapidly in establishments manufacturing converted paper and paperboard products, and reflected the additions of plants and workers needed to meet the rising demand for these products. Employment grew fairly rapid in the paperboard containers and boxes group also as the result of product demand, particularly by industrial users for such products as corrugated boxes, pads, and partitions, and sanitary food containers. Employment in the pulp, paper, and paperboard manufacturing groups (which accounted for more than 40 percent of total major industry group employment in 1965), however, remained relatively unchanged because production increases were offset by increases in output per worker that mainly resulted from the growing application of technological innovations.

Between 1965 and 1975, despite anticipated increases in technological laborsaving innovations, employment in this major industry group is expected to increase fairly rapidly in response to rising per capita consumption of paper products.

Occupational composition and trends

In 1960, blue-collar workers accounted for over three-fourths of total employment in this major industry group, considerably above the average for all nondurable industries. About one-half of the total work force were operatives, mostly specialized machine operators; they also included truckdrivers, packers, wrappers, checkers, and inspectors. The ratios for craftsmen (16 percent) and laborers (8 percent) were relatively high for nondurable goods manufacturing.

The occupational structure differed somewhat among the three groupings of this major industry group. The ratios of professional and technical workers, craftsmen, and laborers were substantially higher in the manufacture of pulp, paper, and paperboard than in the other two groups. The production of pulp, paper, and paperboard is a complicated process involving the use of complex heavy equipment and many instruments and controls. Not only were engineers, chemists, and other technical workers needed in production operations, but many maintenance and repair workers were necessary to keep the equipment in good operating condition. Also, the movement and storage of paper, paperboard, and other materials required a relatively high proportion of laborers. The proportion of operatives was highest in plants manufacturing paperboard containers and boxes because of the many separate manufacturing operations, many of which were done by hand or by machines that performed only one operation.

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[39] For additional information see BLS Bulletin 1347 (1962), Impact of Technological Change and Automation in the Pulp and Paper Industry.

The operational structure of the paper and allied products major industry group is expected to change substantially by 1975. The most significant changes are expected in the ratios of professional and technical workers and laborers. The proportion of professional and technical workers is expected to rise mainly because of increasing requirements for professional workers in research and development activities and in modernization and expansion of production facilities. The growing use of more efficient, often more complex, production machinery; and expanding use of instruments and other automatic control devices, including computers, also will increase requirements for technical personnel. Other professional workers who will increase in relative importance include designers and artists—workers who determine the construction and appearance of paper products, such as boxes, stationary, napkins, and wrapping paper. A sharp drop in the proportion of laborers is expected as a result of the increasing use of improved materials handling and packing methods and equipment. Other production workers also are expected to decrease proportionately because of the greater use of more efficient production equipment, including multioperation machines that gum, print, cut, perforate, fold, band, and count envelopes; fully automatic packing machines; larger, higher speed corrugating machines; improved printing equipment; computers to collect and analyze production data and control papermaking processes; and continuous digesters for pulp making.

Although the use of more efficient production equipment is expected to reduce requirements for operatives, it is likely to increase the requirements for foremen and skilled maintenance workers.

Printing and Publishing (SIC 27)

The printing, publishing, and allied industries major group includes establishments engaged in printing by one of the common printing methods or more, such as letterpress, gravure, offset, or screen. It also includes firms that perform services for the printing trade such as typesetting, photoengraving, electrotyping and stereotyping, and bookbinding and other binding operations. The major industry group also includes establishments engaged in publishing books, newspapers, and periodicals, whether or not the establishments do their own printing.

Employment

Private wage and salary employment in the printing and publishing major industry group increased about 31 percent between 1950 and 1965, to 981,000 workers.[40]

Between 1965 and 1975, the same factors responsible for past growth should continue to contribute to future rising employment levels. These factors are: Increasing school enrollment, Federal aid to education, personal income, and demand for all types of printed material by commercial and industrial establishments.

Occupational composition and trends

In 1960, more than half the workers in this major industry group were in white-collar occupations—a considerably larger proportion than the average in nondurable manufacturing industries. More than 1 out of 6 workers in the industry was a salesworker (including newsboys of 14 years of age or more) and almost 1 out of 5 was a clerical worker (including typists, copymen, messengers, and classified ad, subscription, and circulation clerks). Managers, officials, and proprietors made up about 1 out of 11 workers, and editors and reporters accounted for about 6 percent of total employment.

Craftsmen, foremen, and kindred workers made up the largest occupational group in this major industry group (29 percent)—double the average ratio for these workers in nondurable manufacturing. Almost 23 percent of the work force were printing craftsmen.

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[40] About 80 percent of total employment in this major industry group was accounted for by private wage and salary workers; about 15 percent by self-employed workers; and about 5 percent by government workers.

They included workers such as compositors and typesetters (14 percent), pressmen and plate printers (6 percent), and photoengravers and lithographers (2 percent). The operatives n.e.c. group, which made up 11 percent of the work force, included occupations such as printer's assistant, bindery worker, plate setter, printing press feeder, and proof press and thermograph operators.

Between 1960 and 1975, significant changes in the occupational pattern will occur among salesworkers and printing trade craftsmen. Salesworkers are expected to increase as a proportion of total employment, because the increasingly competitive nature of the printing and publishing major industry group is expected to place a premium on salesmanship. The continuing shift of population to urban and suburban areas will increase the need for home delivery newsboys.

On the other hand, the proportion of craftsmen and kindred workers is expected to decrease, mainly because the increasing mechanization of printing operations (particularly typesetting) will affect adversely employment of printing craftsmen, primarily compositors and typesetters. These technological developments include: Improvements in type composition and platemaking, computer-controlled typesetting operations, automatic equipment for exposing and developing offset plates, and web offset presses that operate much faster than earlier presses. The growing use of photo composition and lithographic printing, however, is expected to effect increases in the proportion of photoengravers and lithographers, despite technological innovations that decrease unit requirements. The growing volume of printing activity is expected also to offset the adverse employment effects of laborsaving devices on pressmen and plate printers.

Chemicals and Allied Products (SIC 28)

Establishments classified in this major group manufacture three general classes of products: (1) Basic chemicals such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture such as synthetic fibers, plastics materials, dry colors, and pigments; and (3) finished chemical products to be use for ultimate consumption such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries such as paints, fertilizers, and explosives. Occupational patterns are available for synthetic fibers (SIC 2823 and 2824), drugs and medicines (SIC 283), paints and varnishes (SIC 284), and miscellaneous chemicals (SIC 281, 2821, 2822, 284, 286, 287, and 289).

Employment

Private wage and salary employment in this major industry group increased about 42 percent to more than 900,000 workers between 1950 and 1965. During this same period, the Federal Reserve Board production index for this industry more than tripled. The slower employment growth primarily reflected the impact of technological developments, particularly in the industrial chemicals (SIC 281) industry group.

The spectacular growth in production in the chemical industry has come from two directions. First, the need for chemicals has been multiplied by advancing technology in other industries; and second, massive expenditures for chemical research and development have continually led to new and better products as well as improvements in existing ones. The expansion of chemical production in recent years has stemmed largely from demand for relatively new products, e.g., plastics and resins, manmade fibers and rubbers, and detergents. However, basic heavy-tonnage products such as sulphuric acid, ammonia, and chlorine have also provided steady and substantial support for this industry's growth.

In 1965, more than half of total employment was concentrated in the two largest industry groups—industrial chemicals (32 percent) and plastics and synthetics (19 percent). Although employment rose generally throughout the various industry groups, the industrial chemicals' share of total employment has been declining slowly in recent years. Between 1958 and 1965, employment rose only slightly in this large industry group as continuous flow process technology significantly increased very rapidly in the synthetic fibers industries as a result of expanded output in textiles and other industries in which consumer demand has been sustained at high levels. Rapid growth also occurred in the production of soaps, cleaners, and toilet goods (another consumer-oriented industry) and in agricultural chemicals, and reflected the technological revolution in farming, in which widespread use of chemicals such as fertilizers and pesticides have played an important role.

Between 1965 and 1975, employment in the chemical major industry group is expected to grow rapidly, as the employment-stimulating factors of the recent years continue through 1975.

Occupational composition and trends

In 1960, white-collar workers in this major industry group accounted for almost 45 percent of total employment—about one-half higher than the average for nondurable goods manufacturing industries. The proportion of professional, technical, and kindred workers in this industry (17 percent) was more than three times greater than the average for all nondurables. Among the blue-collar workers, the operative group accounted for about 30 percent of the work force, considerably below the average. Nearly 90 percent of the operatives were in the miscellaneous operative group, which included occupations such as acid loader, spoolwinder, silk hanger, pill maker, tablet coater, cosmetic maker, and brine plant operator.

In 1960, the occupational patterns among the industry groups varied considerably by occupational group and occupation. Professional, technical, and kindred workers made up 28 percent of the drug industry work force compared with 14 percent in synthetic fibers. Managers, officials, and proprietors accounted for 12 percent of employment in the paint industry, but only 2 percent in the synthetic fibers industry. The ratios of clerical workers in the same two industry groupings were 21 and 8 percent, respectively. The ratio of salesworkers in the paint and varnishes industry group (about 7 percent), was over 15 times higher than the ratio for these workers in synthetic fibers. On the other hand, the employment ratios of the craftsmen, foremen, and kindred workers group (21 percent) and the operative group (47 percent) were considerably higher in synthetic fibers than in the other chemical industry group, and about twice as large as their occupational counterparts in the drugs and medicine group.

By 1975, white-collar workers are expected to account for about one-half of the work force in the chemical industry; over one-half of them will be in the professional, technical, and kindred workers group. Technicians are expected to rise the fastest among all occupations in this category primarily to support the large and growing proportions of scientists and engineers employed in this major industry group, particularly for research and development activities. The extent of the chemical industry's scientific effort is indicated by the fact that their expenditures for research and development totaled $1.25 billion in 1963—nearly double the amount spent by the chemical industry in 1956. It is anticipated that their expenditures for research and development will continue to rise.

Managers, clerical workers, stenographers, typists, secretaries, and office machine operators as proportions of total employment are expected to show relatively little change by 1975. Some declines in clerical occupations such as filing and billing clerks will be effected by electronic data processing equipment. The increasing importance of salesworkers will reflect primarily the significant growth of these workers in the consumer-oriented drugs and paint industry groups in which competition is expected to continue increasing.

Among blue-collar workers, the most significant change is anticipated in the laborers ratio, which is expected to decline sharply mainly as a result of the continuing mechanization of materials handling activities. For example, products are being transported by mechanical and pneumatic conveyor systems; automatic palletizing machines are eliminating hand-stacking of cartons; and computers are being used to control and expedite warehousing and shipping activities. The ratio of operatives in this industry is expected to remain relatively stable because of divergent trends among the individual industry groups. For example, continuous flow process technology has long been a part of the industrial chemical industries, and this technique has been reflected in a relatively low proportion of operatives compared with most other manufacturing industries. However, new technology is expected to reduce requirements for laborers more than for other occupations. On the other hand, in the drugs and paint industries where "batch" production methods have been prevalent, recent technological innovations have been designed to increase output per worker among operators of these processes. For example, electronic controls automatically measure temperature and pressure, and the use of television cameras enables one operator to observe more than one "batch." As a result, in these two industry groups, the proportions of operatives are expected to decline. The spread of automatic instrumentation, which has been the most significant technological development in this industry, will continue to raise requirements for foremen, and mechanics and repairmen in response to the need for more skilled supervision and maintenance personnel.

Petroleum Refining and Related Industries (SIC 29)

This major industry group includes establishments primarily engaged in petroleum refining, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Occupational patterns are available for petroleum refining (SIC 291) and other petroleum and coal products (SIC 295 and 299).

Employment

Employment in this major industry group declined 25 percent between 1953 and 1965 to about 184,000 workers. The decline was more rapid in the petroleum refining group, which historically had between 80 and 90 percent of total major industry group employment. Employment in establishments manufacturing other petroleum and coal products remained relatively stable during 1958–65. On the other hand, total major industry group output nearly doubled during 1950–65. This trend reflected the high degree of automation that is characteristic of this major group, particularly in petroleum refining.

Between 1965 and 1975, employment is expected to decline at a slower rate than during 1953–65, because many of the laborsaving automated techniques (such as automatic control and continuous flow processing) have been incorporated already into the production processes of the petroleum refining industry group. A possible trend away from maintenance by the refining work force and toward contracting for maintenance is a factor that may have an additional impact upon future major group employment. In 1962, about 5,500 contract service workers (many of them skilled craftsmen such as boilermakers, and plumbers and pipefitters) were performing maintenance in petroleum refineries, and were not included in the major industry group employment count.

Occupational composition and trends

In 1960, white-collar workers accounted for about 43 percent of total employment, considerably higher than the average for all nondurable manufacturing industries. About four-fifths of these workers were in two occupational groups—professional, technical, and kindred workers (16 percent) and clerical workers (18 percent). Engineers and technicians made up about one-half of the professional and technical workers group, which also included other significant occupations such as accountants, auditors, and chemists. About 30 percent of the clerical workers were secretaries, typists, and stenographers. Managers, officials, and proprietors accounted for over 7 percent of the total work force and salesworkers slightly more than 2 percent.

Process operators, who made up about 20 percent of total major industry group employment, accounted for almost 4 out of 10 blue-collar workers. Laborers accounted for 8 percent of total employment. Crafts skills that were significant included foremen (5 percent), mechanics and repairmen (4 percent), and stationary engineers (3 percent).

Between 1960 and 1975, the occupational structure is expected to change considerably. White-collar workers are expected to account for over 52 percent of total employment. A rapid increase is expected in the ratios of professional and technical workers. Technicians, chemical engineers, and chemists will be needed to expand research and development activities and to supervise the highly automated production processes.

Most blue-collar occupations are expected to decline as proportions of total employment. The ratio of process operators will decline because production processes automatically will be controlled to a greater degree than at present. The proportion of laborers will decline as the result of continuing mechanization of materials handling and maintenance operations.

Skilled craftsmen in this industry maintain the many boilers and the extensive piping associated with continuous flow technology. Newer, stronger, and more corrosion-resistant materials for pipes and boilers are moderating maintenance requirements. As a result, the proportions of most craft skills, such as carpenters, plumbers and pipefitters, and boilermakers, are expected to decline. On the other hand, the extensive uses of automated equipment, control instruments, and electrical systems are expected to increase the relative demand for mechanics and repairmen.

Rubber and Miscellaneous Plastics Products (SIC 30)

This major industry group includes establishments manufacturing rubber products such as tires, rubber footwear, mechanical rubber goods, heels and soles, flooring, and rubber sundries. Also included are establishments engaged in molding primary plastics and manufacturing miscellaneous finished plastics products. Occupational patterns are available for rubber products (SIC 301–303, and 306) and miscellaneous plastics products (SIC 307).

Employment

Between 1950 and 1965, total employment in this major industry group increased over 50 percent to 476,000 workers. Rapid employment growth in the miscellaneous plastics products and the other rubber products groups more than offset the slow employment decline in the tire and inner tube industry group. Although demand for tires and inner tubes rose steadily throughout this period, many laborsaving innovations were introduced that increased output per worker. On the other hand, as a result of rapidly rising demand for products such as rubber hosing, surgical gloves, plastic toys, and other molded plastic parts, the number of establishments in this major industry group increased rapidly, particularly in the miscellaneous plastics products segment. Between 1959 and 1964, the number of miscellaneous plastics products plants rose about one-third, and in 1964 accounted for about 80 percent of all establishments in the major industry group. More than three-fourths of the plastics establishments had fewer than 50 employees.

Employment in this major industry group is expected to continue increasing through 1975. Much of the expansion will be in the plastics industry group as current and future research and development provide the basis for extensive growth by discovering new and different applications for plastics in areas such as construction, transportation, appliances, packaging, and consumer products. Technological laborsaving developments will affect the plastics and other rubber products group, but not enough to offset the rise in employment resulting from increasing demand for the products of these industries. Employment in the tires and tubes industry group, in contrast, will be relatively stable throughout this period, despite rising demand, because of anticipated continued developments in automated production processes.

Occupational composition and trends

In 1960, more than one-half of the workers in this industry were classified under the general heading operatives n.e.c., for which no separate ratios were available. Included in this group were injection-molding machine operators, compression-molding machine operators, extrusion-press operators, and operators in processes such as tire building and curing. Clerical workers, including stenographers, typists, secretaries, shipping and receiving clerks, and miscellaneous clerical workers, accounted for 13 percent, as did the craftsmen group which included foremen, mechanics and repairmen. Managers and proprietors constituted 6 percent; laborers, including materials handling, made up another 6 percent.

Several important changes are expected in the occupational structure of this major industry group by 1975. It is anticipated that the proportion of operatives will decline, mainly in the plastics products industry group as more and more production processes are automated. Major technological innovations already have been applied to the tires and inner tubes industry group and only minor occupational composition changes are foreseen. The proportion of laborers will decline throughout the major industry group because of widespread automation in materials handling. As the major group becomes increasingly mechanized, the relative importance of mechanics is expected to grow, since requirements will rise for mechanical maintenance.

Leather and Leather Products (SIC 31)

This major industry group includes establishments engaged in tanning and finishing hides and skins, and in manufacturing finished leather and artificial leather products and some similar products made of other materials. Also included are leather converters, who buy hides and skins but have the processing done by other firms on a contract basis.

Separate occupational ratios are available for leather tanning and finishing (SIC 311); footwear, except rubber (SIC 314); and other leather products (SIC 312, 313, 315–317, and 319).

Employment

Since 1950, private wage and salary employment in this major industry group declined slightly more than 10 percent, to approximately 350,000 workers in 1965. About two-thirds of the workers were employed in the footwear industry group, in which employment has declined since 1950 as the result of mechanization of production processes, and of rising competition from foreign producers. Employment also declined in the leather tanning industry group, but rose moderately in the other leather products groups because of increasing demand for goods such as gloves, handbags, purses, and billfolds, which are made from both leather and leather substitutes.

Between 1965 and 1975, employment in the major industry group is expected to remain relatively stable despite divergent employment trends among the various industry groups. Employment is expected to continue to decline in the leather tanning because of increasing reliance upon leather substitutes. Offsetting increases are anticipated in the miscellaneous leather goods groups, due to continued rising demand for their products, which are being made increasingly with leather substitutes. Little employment change is expected in the footwear industry group, since anticipated increases in output per worker will offset the growing demand for shoes.

Occupational composition and trends

In 1960, over 72 percent of the workers in this major industry group were in semiskilled operative occupations such as stitcher, lasting machine operator, vamper, fitter, and trimmer. Other major occupations were clerical workers (9 percent), managers and proprietors and foremen each (4 percent). Laborers made up over 14 percent of the work force in the tanning and finishing group, compared with only 4 percent of total employment in the major industry group.

Technological changes are expected to reduce the requirements for semiskilled production workers. This decrease will be most significant in the footwear industry group. The increasing use of man-made leather substitutes, which can be made with consistent quality and standardized dimensions, will make possible the further mechanization of a number of production processes, heretofore hindered by the lack of uniformity of leather. The ratio of laborers also will decline as a result of the increasing use of conveyors and other materials handling equipment.

Railroads (SIC 40)

The major industry group includes companies furnishing transportation by line-haul railroad and services such as sleeping and dining cars, the railway express, and switching and terminal companies. Companies serving a single municipality, contiguous municipalities, or a municipality and its suburban areas are excluded.

Employment

Between 1950 and 1965, private wage and salary employment declined about 47 percent to 735,000. Beginning in the 1950's technological changes such as the replacement of steam locomotives by diesel-electrics, mechanization of roadway maintenance, and centralization of traffic controls, as well as decreases in passenger traffic, were primarily responsible for the sharp downturn in employment. Moderate declines in employment during the remainder of this decade also are anticipated as a result of the current trend toward railroad mergers. An upturn in employment is predicted after 1970. Improvements in the efficiency of freight operations are expected to decrease costs and to increase the volume of freight traffic.

Occupational composition and trends

In 1960, over two-thirds of this major industry group's employment was in the blue-collar occupations. Almost 1 worker in 8 was a laborer. Other significant blue-collar occupations were brakemen and switchmen (11 percent); the residual operatives group which includes occupations such as oilers and greasers, stationary firemen, signalmen and platform truckers (6 percent); locomotive engineers and firemen each (5 percent); foremen, railroad and car shop mechanics and repairmen, and inspectors each (4 percent); and electricians (2 percent). Clerical workers, the largest white-collar group, were primarily in the residual clerical occupation group. This division accounted for 1 out of every 6 workers and included ticket agents, railway express agents, baggagemen, and railway mail clerks. Stenographers, typists, and secretaries (2 percent) made up most of the remaining clerical workers. The other significant white-collar occupational group, managers, officials, and proprietors (10 percent), was about equally divided between railroad conductors and other managers and officials.

During 1960–75, new technology and methods of operation and the forecasted increases in freight volume will change substantially the occupational composition of the railroad transportation industries.

In the blue-collar occupations, locomotive engineers, brakemen, and switchmen will increase in importance to meet the needs of expanded rail freight activity. The proportions of mechanics and repairmen, inspectors, machinists, and electricians will expand as the increase in number, size, and complexity of locomotives raises maintenance requirements. The growing use of electronically operated control mechanisms will also increase the need for technical and maintenance workers. By 1975, the proportion of locomotive firemen is expected to drop sharply as a result of the recent arbitration decision which eliminates them from yard and freight train crews.

The proportion of laborers will decrease because of further mechanization of roadway maintenance and increased use of materials handling equipment and bulk loading. The growth in railway express and in piggybacking services will increase the need for truckdrivers.

Important occupational changes in the white-collar occupations are also expected. Some types of clerical workers will decrease primarily because electronic data computers, initially introduced in the late 1950's and early 1960's, will continue to replace many types of routine clerical workers. Among those affected adversely will be accounting, rate and billing, and file clerks (clerical workers n. e. c.). Other technological developments affecting clerical employment include microfilmed documents, storage and retrieval systems, and improved communications equipment. Railroad company mergers will tend to decrease requirements for clerical personnel by centralizing office functions and eliminating duplicate services. Partially offsetting these losses will be an increase in the proportion of office machine operators. Most of this growth will be centered in the occupations related to computer operation, such as computer console operators and keypunch operators.

The increasing proportion of the managers, officials, and proprietors group will result from the anticipated rise in demand for railroad conductors. The requirements for conductors needed to supervise and coordinate train crew activities will grow in response to the projected increase in the volume of freight traffic.

The proportion of service workers will decrease. Fewer guards and watchmen will be required as additional automatic warning devices are installed at railway crossings. The need for cooks, waiters, porters, and other service workers will decline as travel by long distance coach and pullman trains attracts still fewer passengers.

Local and Suburban Transit and Interurban Passenger Transportation (SIC 41)

This major industry group consists of companies, both publicly and privately owned, and individuals primarily engaged in furnishing local and suburban passenger transportation, intercity and rural highway passenger transportation, and charter and sightseeing services. Companies furnishing passenger terminal or maintenance facilities for the use of others are included also.

Employment

Employment in the major industry group has been declining steadily, and by 1965 had dropped to an all-time low of 358,000 workers.[41] Employment declined most rapidly in the surface railway, trolley coach, and taxicab industries. Although moderate decreases in employment occurred during the 1950's in the rapid transit and local bus segments, employment in both segments has remained relatively stable since 1960. Employment in the intercity bus industry did not change significantly during 1955–65.

Occupational composition and trends

Taxicabs. In 1960, drivers made up more than 8 out of every 10 workers in this industry. Other important occupations were clerical workers (9 percent); managers and proprietors (6 percent); dispatchers and starters (5 percent); and mechanics and repairmen (2 percent).

There was little change between 1950 and 1960 in the drivers' share of industry employment, and little change is expected during the period ahead. The sharp drop in the proportionate employment of managers in the 1950–60 decade was entirely among the self-employed owner-operators and reflected a trend toward larger firms. Between 1960 and 1975, the proportion of managers is expected to continue declining but at a slower rate than during 1950–60. Offsetting the reduction of managers will be continued increases in the proportion of dispatchers, radio operators, and auto mechanics as the trend toward larger firms continues.

Other local and interurban transit. Drivers dominated employment in this industry grouping, making up nearly 51 percent of all workers in 1960. Other significant occupations were mechanics and repairmen (10 percent); other clerical workers (11 percent); managers and proprietors (5 percent); and other operatives (6 percent), largely street railway motormen and conductors.

The marked increase in the number of automobiles in use in the past decade has affected adversely the local-transit industry. Ninety percent of today's passenger travel within metropolitan areas is by automobile.

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[41] Private wage and salary workers made up 73 percent of this work force; government workers accounted for about 20 percent; and self-employed and unpaid family workers, 7 percent.

This spreading auto ownership, which has accompanied higher living standards as well as the movement of urban dwellers to the suburbs, has reduced the demand for public transportation. Generally, transit systems operated under low profit margins that hindered large-scale capital investment. However, financial assistance for construction and improvement of mass transportation facilities, as provided by the Urban Mass Transportation Act of 1964, is expected to stimulate the development of comprehensive transit improvement programs.

The change from streetcars to buses has been the major factor influencing the occupational structure of this industry. The gradual elimination of streetcars is due to the greater speed and increased flexibility of routing and scheduling buses.

The expanded network of new highways has provided the impetus for increased intercity bus travel. Development of the vast interstate highway system has enabled companies to emphasize scheduling more express bus trips between large cities. Aggressive advertising, improved services, and alleviation of passenger discomfort through newer more comfortable buses which have rest rooms and facilities for food also have contributed to more intercity bus travel.

The increases in the driving occupation ratios will result primarily from some further expansion in the intercity bus transport. The replacement of street railways by motor buses is now nearly complete, and the anticipated growth of rapid transit rail systems will tend to slow the rapid increase in the proportion of drivers, experienced during the 1950's. As streetcar tracks and their upkeep are eliminated, the ratio of laborers will continue to decline.

Trucking and Warehousing (SIC 42)

Included in this major industry group are all establishments whose primary activity is providing local or long distance trucking service and public warehousing. This classification includes all for-hire carriers, both contract and common. Excluded are private carriers such as manufacturers, farmers, and other shippers of goods whose primary activity is outside the trucking industry, and warehouses operated by business concerns for their own use. Included are companies providing terminal or combined terminal and maintenance facilities for vehicles operated by others. Occupational patterns are available for trucking, which includes terminal facilities (SIC 421, 423) and public warehousing (SIC 422).

Employment

Employment has been rising rapidly in this major industry group and reached a high of 1.1 million in 1965,[42] despite a recent declining employment trend in the public warehousing sector. Employment in the major industry group is expected to continue growing in the coming decade as motor transport requirements grow in response to increases in general business activity.

Occupational composition and trends

Trucking, local and long distance. In 1960, over 80 percent of the workers in this industry group were in one of the "blue-collar" broad occupational groups.

Truckdrivers accounted for over 56 percent of the workers in this industry group; laborers made up 11 percent; and mechanics and repairmen 4 percent. Managers, officials, and proprietors (9 percent) and clerical workers (12 percent), accounted for nearly all of the white-collar workers because few professional and sales personnel were required in this industry group.

New technology is entering nearly every phase of the trucking industry group. However, because there are many small firms, the industry is divided in its ability to adopt the more costly technological changes. In the years ahead the rate at which these changes are introduced will increase because large firms, which have greater capabilities for capital investment, are expected to grow in importance.

The largest and most successful application of mechanization has been in freight handling equipment. Equipment such as conveyors, forklift trucks, and floor cables have made significant inroads into labor requirements by minimizing manual materials handling. Expanded use of such equipment is expected in the coming decade and will result in a further decline in the relative importance of laborers.

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[42] Private wage and salary workers made up about 90 percent of this work force in this major industry group; self-employed workers accounted for nearly all the remainder.

The greater growth expected for the larger carriers than for the small size firms also will have a significant effect on the future occupational structure. Compared with small trucking companies, large carriers have higher proportions of stenographers, typists, and secretaries; other clerical workers; mechanics and repairmen; service workers; salesworkers; and foremen. These workers are all expected to continue to increase their share of total employment in response to the faster growth of large firms. The increasing use of computers and other office machines will tend to moderate the growth rates in selected clerical occupations such as bookkeepers and accounting clerks.

Customarily, managers make up a greater proportion of employment in small carriers since they often carry out many functions that are assigned to other personnel in the larger firms. As small carriers decline, relatively, the proportion of managers also is expected to decrease.

During 1960–75, a slight decrease is expected in the ratio of truckdrivers. The more important laborsaving changes are occurring in the nondriving areas and will tend to raise requirements for drivers. This trend will be offset, however, by the continued growth of large firms in which drivers make up a small part of the work force, and by other developments such as the vast new interstate highway system and the increasing capacity and performance of trailers and power units which will reduce driving requirements per ton of freight.

Public warehousing. Important specific occupations were truckdrivers (9 percent), meatcutters (3 percent), bookkeepers (4 percent), and foremen (3 percent).

The small size of firms and the lack of uniformity in the goods stored will continue to hinder rapid mechanization in public warehousing. Nevertheless, greater use of batch handling, containerization, conveyors, and power trucks will reduce requirements for materials handling laborers, while increasing the need for equipment operators (operatives n. e. c.). The importance of truckdrivers and packers, especially those involved in moving home furnishings, will grow in response to the increasing mobility of American families. The spreading ownership of home freezers will continue to affect adversely the use of public frozen food lockers and will cause a corresponding decrease in the proportion of meat cutters.

The proportions of the remaining major occupations—managers and officials, clerical workers, and craftsmen—are expected to remain relatively stable during 1960–75.

Air Transportation (SIC 45) [43]

This major industry group includes companies furnishing domestic and foreign air transportation of passengers and freight, operating airports, and supplying terminal services such as aircraft storage, and repair. It excludes companies engaged in aerial photography and other services which may use airplanes incidentally.

Employment

Between 1950 and 1965, employment in this major industry group more than tripled, reaching a high of 238,000 workers. [44] Most of the increase occurred in certified carriers in which over five-sixths of the work force was concentrated. Noncertified carriers, air field operations, and terminal services, which employed only a small proportion of the workers, experienced the sharpest rate of increase. Continued rapid growth in employment is expected during 1965–75 to meet the anticipated expanding demand for both passenger and cargo air transportation services, resulting from rising business activity, personal disposable income, and leisure time.

Occupational composition and trends

In 1960, white-collar workers made up over one-half of the employment in this major industry group. Almost 31 percent were in the clerical group and consisted mainly of stenographers, typists, and secretaries (5 percent), and workers such as ticket agents, reservation clerks, air movement and crew schedulers, file clerks, and other clerical occupations not separately identified, that were grouped into the clerical residual occupation (23 percent). Other significant occupations were airplane mechanics and repairmen (18 percent); airplane pilots and copilots (9 percent); stewards and stewardesses

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[43] Additional information about this industry can be found in BLS Bulletin 1367, Employment Requirements and Changing Occupational Structure in Civil Aviation, 1964.

[44] Government workers made up about 8 percent of this work force; the remainder were nearly all private wage and salary workers.

(6 percent); managers, officials, and proprietors (8 percent); operatives n.e.c., mostly aircraft servicing personnel (4 percent); service workers n.e.c., primarily porters and attendants (3 percent); and laborers (3 percent).

A number of important changes in the occupational structure of this major industry group are expected during 1960–75. The number of passengers carried by the airlines will expand rapidly. Correspondingly, requirements for workers whose activities are directly related to passengers, including reservation clerks, ticket agents, stewardesses, and service workers will increase, despite the growing use of technological innovation such as computers for baggage control and distribution, reservations, recordkeeping, billing, and numerous routine clerical operations.

Occupations directly concerned with aircraft operation such as pilots, stewards, and stewardesses will increase in importance. A rapid growth in air taxi service is expected to add to the requirements for pilots. The requirements for pilots will be moderated by the constantly rising speed and passenger carrying capacity of aircraft which is making it possible to transport the growing passenger traffic without corresponding increases in the number of aircraft. Mechanics and repairmen will increase substantially in numbers but decline in proportion because jet aircraft are expected to require less maintenance than the piston types that they replace.

The increasing utilization of electronic equipment will adversely affect requirements for radio operators and flight dispatchers.

Other Transportation (SIC 44, 46, 47)

This major industry grouping includes water transportation (freight and passenger, SIC 44), pipeline transportation (crude and refined petroleum, SIC 46), and transportation services (freight forwarding, arrangement of transportation, stockyards, rental of railroad cars, etc., SIC 47). Occupational ratios are available for each of these major industry groups.

Employment

In 1965, nearly two-thirds of the 344,000 workers[45] in this major industry grouping were employed in the water transportation group; about another three-tenths were in transportation services; and the remaining workers were employed in the pipeline group. Employment in the water transportation group declined primarily as the result of the sharp drop (80 percent) in the number of oceangoing ships in the U. S. merchant fleet during the post–World War II period. Between 1965 and 1975, employment is expected to reach a plateau in the water and pipeline major groups, but to increase sharply in transportation services, primarily because of continued expansion of travel agencies to meet increasing demands for travel and vacations.

Occupational composition and trends

Water transportation. In 1960, more than one-half the workers were in three occupational groups: Longshoremen and stevedores (28 percent); ship officers, pilots, pursers and engineers (12 percent); and sailors and deckhands (12 percent). (In this industry, carpenters, cranemen, and other craftsmen generally are considered longshoremen. However, for this report they have been classified by their special occupations.)

Manpower requirements on inland waterway and ocean vessels will be adversely affected through the modernization of vessels. Most of the active merchant marine fleet is approaching obsolescence and will have to be replaced. However, replacement of these older ships is occurring in ship lines under a government subsidy program that only covers about one-third of the merchant fleet. Emphasis in designing new ships is on automation of the engineering room and cargo handling operations; in addition, many craft now are equipped with electronic steering and depth finders. These technological developments are expected to limit requirements for shipboard officers, as well as for firemen, oilers, sailors, and deckhands.

Union-management agreements are permitting automation on the docks, which reduces the requirements for longshoremen and stevedores. The ratios of forklift, crane, and tractor operators are expected to rise as more unitized freight or containerization is used, i. e., combining individual items into standardized units which can be handled mechanically.

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[45] Private wage and salary workers accounted for about 88 percent of this total employment in this major industry grouping; government workers made up 9 percent of employment; and the self-employed about 3 percent.

Pipelines. Craftsmen and operatives made up 63 percent of total employment in the pipeline industry in 1960. About three-eighths of the craftsmen were stationary engineers and most of the operatives were gagers (classified in operatives n. e. c.). Over three-fourths of the professional and technical workers (who accounted for 9 percent of the work force) were engineers and technicians.

Technological changes will affect the occupational composition of the pipeline industries during the next decade. For example, major increases in the movement of oil products are expected through larger and longer pipelines. Greater use will be made of airplanes and aerial photography to determine the course of new pipelines, and to patrol existing lines to detect leaks. A major trend is expected towards the wider application of automatic electronic controls, including remote control valve opening and closing, automatic control computers, electronic calculations to send varied product lots, and centralized control of pumping stations. Automation of pumping stations will require fewer station engineers, pumpers, firemen, and oilers. Automatic measurement of oil will reduce the need for gagers. Increasing use of electronic control and communications equipment is creating a greater need for professional engineers, electronic technicians, programers, systems design personnel, and maintenance electricians. The proportion of foremen is expected to rise as duties become more specialized and the ratio of foremen to employees increases.

Transportation services. Clerical workers made up almost one-half of the workers in this major industry group in 1960. Principal among them were: Stenographers, typists, and secretaries (8 percent); and the residual clerical occupation (26 percent), consisting of such workers as rate clerks, reservation clerks, scale clerks, and telephone clerks.

Other significant occupations included managers, officials, and proprietors (16 percent), service workers (8 percent), laborers (9 percent), and craftsmen and operatives each (7 percent).

The continued rapid growth expected in travel agencies will result in further sharp ratio increases for clerical workers who arrange tours, place reservations, and issue tickets. The proportion of cashiers also will increase significantly as additional toll highways are opened, but new automatic collection equipment will tend to modify their growth rate.

The operations of freight forwarding will become more flexible through the increasing use of unitized freight and piggybacking techniques. The storage and materials movement problems of the freight forwarder are being alleviated through new terminal facilities such as conveyorized freight movement, draglines, efficient sorting methods, unitized loads, and mechanized loading and unloading techniques. These technological innovations are expected to effect a sharp decrease in the importance of materials movement laborers.

Communications (SIC 48)

Included in this industry are those companies furnishing point-to-point communication services, whether by wire or radio, and whether intended to be received aurally or visually; and radio broadcasting and television. Services for the exchange or recording of messages also are included. Separate occupational patterns are available for telephone (SIC 481), telegraph and communication services n. e. c. (SIC 482 and 489), and radio and television (SIC 483).

Employment

Total employment in this major industry group increased moderately to about 850,000 workers in 1965.[46] Employment in radio and television grew very rapidly, more than offsetting the declining employment trend in the telegraph industry. Employment in the telephone industry, which accounted for over 80 percent of employment in the major group in 1965 increased only slightly. With the continued installation of dial phones, a large increase in the number of phone calls was handled with fewer telephone operators. Total employment is expected to continue upward, with a resumption of employment growth in telephone communications segment.

Occupational composition and trends

Telephone. In 1960, telephone operators accounted for more than 30 percent of the workers in this industry. The residual clerical workers group, which mainly included pay-station collectors, service order clerks, service representatives, and toll-ticket clerks, made up 18 percent of total employment. More than one-fourth of the workers were linemen and servicemen, which also included cable splicers, installers, and repairmen.

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[46] Nearly all employment in this major industry group was made up of private wage and salary workers.

The most significant change in the occupational structure of the industry will be the decline in share of total for telephone operators which will result from expanded coverage of direct dialing of long distance calls and from increased installation of new traffic service position equipment. The ratio of the residual clerical workers group also will decline as computers are used increasingly in clerical activities. The proportion of linemen and servicemen will increase as services are expanded to meet the needs of a growing population.

Telegraph and communication services n. e. c. Clerical workers made up 65 percent of industry employment in 1960. The most significant occupation, telegraph operators, made up the greatest portion of the residual clerical workers' ratio, which was 44 percent. Multiplex operators and teleprinters were classified in the stenographers, typists, and secretaries occupation, which accounted for about 11 percent of total employment. Linemen and servicemen (which included cable splicers, installers and repairmen) and managers and officials each made up about 9 percent of the work force.

A substantial decrease in the proportion of clerical workers is expected as the result of an anticipated decline in the public message load, development of high speed electronic switching systems, and more efficient modern dispatching centers. The ratio of linemen and servicemen is expected to increase because of sustained growth in the use of new data transmission systems, which will require additional installation and maintenance.

Radio broadcasting and television. In 1960, white-collar workers accounted for almost 92 percent of employment in this industry. The distribution of these workers was as follows: Professional and technical (49 percent); managers and officials, including program directors and producers (22 percent); clerical workers (15 percent); and salesworkers (5 percent). Significant professional and technical occupations were: Workers in the arts such as musicians and entertainers (6 percent); editors and reporters (3 percent); electrical engineers (3 percent); radio operators (2 percent); and other technicians, which included cameramen, broadcast engineers and technicians, projectionists, sound men, and control room men (15 percent). Announcers, newswriters and newscasters, research staff, and continuity writers made up the greatest portion of the residual professional group (17 percent).

Generally, the ratios of professional and technical occupations will decline because of several factors, including: (1) Increasing automation of radio broadcasting processes and the use of film and videotape materials in television broadcasting; and (2) the small size of new stations. The ratios of managers and officials, and clerical workers will increase as new stations come into operation.

Public Utilities[47] (SIC 49)

This major industry group includes companies engaged in the generation, transmission, and/or distribution of electricity, gas, or steam, and water and irrigation systems. Also included are sanitary systems engaged in the collection and disposal of garbage, sewage, and other wastes by means of destroying or processing materials. Governmental agencies engaged in these activities are also included. Separate occupational patterns are available for electric light and power, gas, and steam (SIC 491-493, and 496), water supply and irrigation (SIC 494, 497), and sanitary service (SIC 495).

Employment

Employment in this major industry group increased at a slow pace during recent years and reached nearly 1 million workers in 1965.[48] About two-thirds of the workers in this major group were located in the electric light, power, gas, and steam industries where employment remained fairly stable since the late 1950's, despite a substantial rise in output. In the sanitary service group, employment increased very rapidly as urbanization of the population sharply raised the demand for these services. The third group, water supply, experienced a steady but moderate employment increase. Little change in the employment trends is expected during 1965–75. The employment level in electric power and gas is expected to remain fairly stable as technological changes make it possible to supply the rising demand for power without corresponding increases in employment. Employment in both water supply and sanitary services will continue to grow; the latter industry group will experience the sharpest increase.

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[47] For additional information, see BLS Report 293, (1965), Manpower Planning to Adapt to New Technology at an Electric and Gas Utility.

[48] Government workers accounted for more than 33 percent of employment in public utilities; slightly more than 60 percent were private wage and salary workers; and about 2 percent were self-employed.

Occupational composition and trends

Separate discussions for each of the three sectors that make up this major industry group are presented as follows:

Electric light, power, gas, and steam. In 1960, nearly one-half of the workers in this major industry grouping were in the skilled or semiskilled occupational groups. Significant occupations within these groups were linemen and servicemen (11 percent); mechanics and repairmen (10 percent); foremen (6 percent); electricians (3 percent); power station operators (2 percent); and truckdrivers (2 percent). Clerical workers made up nearly one-fourth of the work force. Principal occupations within this group were stenographers, typists, and secretaries (4 percent); accounting clerks (2 percent); and the residual group, consisting mainly of meter readers, (14 percent). Engineers (4 percent) and technicians (3 percent) were significant white-collar occupations.

A number of changes are expected in the occupational structure by 1975. The proportions of engineers, technicians, and professional personnel associated with electronic data processing equipment will increase as a result of the growing complexity of power systems, the increasing emphasis on research and development, and the rapid rise in the use of computers.

The ratio of meter readers (clerical workers n.e.c.) will decline as more companies schedule meter reading on a bimonthly, quarterly, and even semiannual basis. Partially offsetting the decreasing need for clerical personnel will be the growing need for specialized clerical workers to operate computer-related equipment.

Diverse trends are expected within the craftsmen occupational group. The growing complexity and size of generating equipment and the growing use of electronic instrumentation and control equipment will increase the need for highly skilled maintenance workers and technicians. As new technology increases the output and efficiency of generating units, the proportion of the less highly skilled power station operators will decline. However, additional linemen will be required to install and maintain the growing electric distribution system needed to meet the ever-increasing demand for power.

The proportion of laborers, especially those involved in ground crew activities, will decrease as many functions will be mechanized. The ratio of foremen will increase, because the rising skill level of maintenance and operating personnel will require more supervision.

Water supply and irrigation. In 1960, blue-collar workers made up over 63 percent of the workers in these industries. Significant blue-collar occupations were laborers (14 percent); mechanics and repairmen (13 percent); and operatives n.e.c. (13 percent), mainly water and filtration plant operators. Clerical workers (21 percent) accounted for almost three-fifths of the white-collar workers. Other significant major white-collar occupations were managers, officials, and proprietors (10 percent) and engineers (3 percent).

By 1975, significant changes are expected to occur in the occupational structure of this industry grouping. The rising level of automation in water treatment and pumping plants, and the growing use of mechanical equipment in the installation and upkeep of water pipelines will reduce the proportion of laborers and cause a slight decline in the proportions of operatives. Many communities which previously operated on a fixed basis are now installing metered systems. This trend will require additional workers including meter installers and repairmen (other mechanics and repairmen n.e.c.), meter readers, and clerical personnel needed for recordkeeping, billing, and other tasks related to this more complex rate system.

Sanitary services. In 1960, blue-collar workers accounted for almost 92 percent of employment in this industry group. Over one-half of the workers were laborers such as street cleaners, trash and garbage collectors, and sewer cleaners. Other significant occupations were truckdrivers (22 percent), which included operators of street cleaning equipment; operative n.e.c. (8 percent), who were mainly workers associated with incinerator and sewerage disposal plant operations; and managers, officials, and proprietors (3 percent), and foremen (3 percent).

The growing mechanization of sanitary service operations is expected to result in significant changes in the occupational structure of this industry group. The ratio of laborers will decline sharply as improved sanitation trucks, growing use of motorized street sweepers, and increasing mechanization of incinerator operations reduce requirements for these workers. The rising demand for sanitation services by the rapidly growing urban population will result in a substantial increase in requirements for drivers of sanitation trucks and road cleaning equipment, and for personnel necessary to maintain the equipment.

Wholesale Trade (SIC 50)

This major industry group includes several types of establishments: Merchant wholesalers; sales branches and sales offices; agents, merchandise or commodity brokers, and commission merchants; petroleum bulk stations; and assemblers, buyers, and associations engaged in the cooperative marketing of farm products. Occupational patterns are available for motor vehicles and equipment (SIC 501); drugs, chemicals, and allied products (SIC 502); dry goods and apparel (SIC 503); food and related products (SIC 504); electrical goods, hardware, and plumbing (SIC 506 and 507); machinery and equipment (SIC 508); and other wholesale trade (SIC 505 and 509).

Employment

Between 1950 and 1965, employment in this industry subdivision grew almost 32 percent to 3.5 million workers.[49] The fastest growing industry groups were in the wholesaling of durables: Motor vehicles; electrical goods, hardware and plumbing; and machinery and equipment. Continued employment increases are expected in each of the groups during the next decade.

Occupational composition and trends

In 1960, managers and proprietors, clerical workers, and salesworkers were generally the largest occupational groups throughout the wholesale trade industries; they made up over 70 percent of the workers in 5 of the 7 industry groupings. More than two-fifths of the clerical workers, such as inventory and stock clerks, checkout men, authorizers, routers, etc., were not identified separately but were classified in the residual clerical group. About half the craftsmen were mechanics and repairmen and most of them were in the machinery and equipment group. Although operatives accounted for only 19 percent of employment in the industry subdivision, they made up nearly 38 percent of the workers in the food wholesale group, in which requirements for workers such as drivers and deliverymen, meat cutters, and wrappers and packers were high. Generally, the proportions of professional, technical, and kindred workers; service workers; and laborers were low throughout the industry groups. In only two groups—food and other wholesale trade—did the combined proportions of the latter three occupational groups exceed 12 percent; in both cases, laborers accounted for about 10 percent of the work force. The highest ratios in the industry subdivision for professional and related workers (about 4 percent) occurred in two groups—drugs and chemicals, and machinery and equipment wholesaling.

Between 1960 and 1975, changes in the occupational patterns of the wholesale trade industries will result from improvements in warehousing activities and the continuing adaptation of electronic data processing to wholesaling operations. However, the effects of these improvements will be small, since the adoption of costly automatic systems and modern equipment generally will be restricted to larger establishments which represent only a small proportion of the total. In 1963, less than 5 percent of the firms in wholesale trade employed over 50 workers.

Automation in the warehouse is best suited to firms specializing in staples such as food and drugs because of their high turnover, standard units, lack of bulk, and lack of changing style of fashion. Wholesalers of these products are installing automatically controlled conveyor systems which sort goods and move them into storage and select fast-moving items from storage for shipment. These conveyors reduce the need for sorters, order pickers, shipping and receiving clerks, and laborers. Where automation in warehouses is not feasible, other mechanical materials handling equipment, such as forklift trucks, pallets, and powered conveyors, will play an increasingly important role and similarly reduce requirements for material movement laborers.

Effective application of electronic computers to a variety of functions should reduce the need for some clerical workers. However, through the mid-1960's, clerical workers appeared to have remained a fairly stable share of total employment.

Continued growth is expected also in the use of vending machines operated by wholesalers and this practice will increase the requirements for workers needed to stock, service, and repair the machines. A rapid proportionate growth of mechanics and repairmen, especially in the wholesale machinery and equipment industry sector, is expected because of increasing emphasis on servicing of equipment distributed by this major industry group.

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[49] More than 10 percent of total employment in wholesale trade was made up of self-employed workers; private wage and salary workers accounted for nearly all of the remainder.

Building Materials, Hardware, and Farm Equipment (SIC 52)

This major industry group consists of retail establishments primarily engaged in selling lumber, building materials, basic lines of hardware, and other equipment and supplies for all types of construction. Also included are retail farm equipment dealers.

Employment

Employment in this major industry group has shown little change in recent years; it stood at 650,000 workers in 1965.[50] A slight rise is expected from 1965–75, as anticipated moderate increases in building materials and farm equipment retailing will be offset somewhat by decreases in the other retailing such as paint, glass, and wallpaper stores.

Occupational composition and trends

In 1960, managers and proprietors (28 percent) and salesworkers (22 percent) made up one-half of the employment in this major industry group. Other significant occupations were drivers and deliverymen (9 percent), laborers (8 percent), mechanics and repairmen (6 percent), and bookkeepers and accounting clerks (7 percent).

Several changes are expected in the occupational structure during 1960–75. These changes will result primarily from the general trend towards larger, more competitive establishments and the expected increase in the relative importance of the building material and farm equipment industries. Although they will continue as the largest occupational groups, the proportions of managers and proprietors, and salesworkers will decrease as larger establishments grow in importance. Drivers and deliverymen will increase as a result of the growth expected in the building material industry in which deliveries are an important part of the sales service. The proportion of mechanics and repairmen also will increase as a result of the growing importance of the farm machinery retailing where these workers are concentrated.

Limited Price Variety Stores (SIC 533)

This industry consists of retail stores that are commonly referred to as five and ten cent stores, although merchandise is also sold outside that price range. Sales usually are made on a cash-and-carry basis; and customers select from open displays.

Employment

Since the end of World War II private wage and salary employment in this industry has declined moderately to about 314,000 workers in 1965.[51] The major factor influencing employment has been the expanded installation of self-service operations, particularly the wider adoption of central checkout systems. As a result of these changes in selling, employment has been declining slightly even though the number of stores has been increasing. However, employment is expected to increase in the future as these stores gain a larger share of the growing retail trade.

Occupational composition and trends

In 1960, almost three-fourths of all employment in this industry was in two occupations: Salesworkers (53 percent) and managers (21 percent). Cashiers and waiters and waitresses were each 4 percent, and laborers were 3 percent of the work force.

Sales clerks will make up a smaller proportion of total employment in the future as more stores convert to customer self-service operations. A larger proportion of cashiers will be employed as central checkout counters become even more prevalent. More laborers will be needed to receive goods and stock shelves. Some further reduction in the proportion of managers is expected as larger chain stores replace the small owner-operated stores. Because the larger stores usually have lunch counters, the proportionate employment of food service workers such as waitresses, cooks, and counter and fountain workers will increase.

General Merchandise Retailing (SIC 531, 532, 534, 535, and 539), Except Limited Price Variety (SIC 533)

This industry grouping consists primarily of retail stores which sell a number of merchandise lines, and are generally known as department stores and general stores. Also included are mail-order houses, direct selling organizations, and merchandise vending machine operators.

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[50] Nearly 17 percent of these were self-employed and unpaid family workers; most of the remainder were private wage and salary workers.

[51] Private wage and salary workers accounted for about 95 percent of total employment in limited price variety stores; the remainder were self-employed and unpaid family workers.

Employment

In 1965, over 1.6 million workers[52] were employed in this industry grouping. About three-fourths of the employment was concentrated in department stores. During the early postwar period, department store employment showed little growth, and sales declined as the result of competition from discount houses, expansion of other stores into department store lines of merchandise, and the shifting of large segments of the population to the suburbs. In the late fifties and early sixties, the opening of suburban branch stores and the remodeling of downtown stores created an upsurge in both sales and employment. Continued expansion will occur during 1965–75; the most rapid growth is expected in the department stores and vending machine industries.

Occupational composition and trends

In 1960, almost two-thirds of the work force in this major industry group was in two occupations—salesworkers (44 percent); and managers, officials, and proprietors (20 percent). Ten percent of the employment was grouped into the clerical residual occupation, which included stock clerks, billing clerks, file clerks, messengers, mail-order clerks, and credit interviewers. Other important occupations were service workers n.e.c. (3 percent) including beauticians, porters, and attendants; operatives n.e.c. (3 percent), mainly dressmakers and seamstresses, and packers and wrappers; cashiers (2 percent); and laborers (2 percent).

Changes in the occupational structure of this industry can be expected during 1960–75. Rural general stores and smaller, less competitive department stores will continue to decline in importance and cause further decreases in the proportion of managers, officials, and proprietors. The portion of salaried salesworkers will grow as larger stores, where these workers make up a greater share of employment, replace smaller stores. Self-service and central checkout operations, although not widely used in this industry grouping, are expected to become more important and to result in additional cashiers. The adoption of modern escalator systems and self-operated elevators will continue to affect adversely the importance of elevator operators (service workers n.e.c.). The growth of large stores, where requirements for storage and warehousing are higher, will result in an increase in laborers.

Food and Dairy Products Stores (SIC 54)

This major industry group is made up of retail stores primarily engaged in selling food for home preparation and consumption. Specialty food stores such as meat markets, bakeries, and poultry stores are included as well as grocery stores.

Employment

This is one of the largest of the retail trade major industry groups; it employed about 1.9 million workers in 1965.[53] More than 80 percent were concentrated in the grocery store industry; the remainder was distributed among the various specialty stores. Sales have expanded sharply during the past two decades. The rapid adoption of the self-service and central checkout method of merchandising, and the shift of business from small neighborhood stores to supermarkets have moderated employment increases. During the coming decade, employment is expected to grow at a slightly accelerated rate as food stores further diversify the lines of merchandise handled to capture a larger share of the retail market. Also, the sharp gains of the recent past in output per worker, due to the shift to self-service operations, cannot be continued as most food retailing is now on a self-service basis.

Occupational composition and trends

Managers and proprietors, and salesworkers are by far the largest occupations, accounting for about 28 percent and 25 percent, respectively, of the major industry groups workers in 1960. Other important occupations were cashiers (12 percent), meatcutters (9 percent), and laborers (8 percent).

During 1960–75, the proportions of most of the important occupations are expected to change. The shift towards large self-service stores at the expense of the small neighborhood groceries will continue, although at a slower pace than the 1950's. As the industry converts further to this method of merchandising, the proportion of cashiers will increase and sales clerks decrease. The ratio of managers and proprietors (especially self-employed) will decrease as small groceries and specialty shops, where they account for a much higher proportion of the workers, decline in relative importance. Requirements for laborers needed for loading, stocking, and storage activities of large establishments will grow. The proportion of meatcutters will decline slightly as more meat cutting is performed at central locations and as other personnel are used to weigh, price, and wrap meats. This trend will be moderated, because meat products are expected to account for a growing proportion of all food expenditures.

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[52] Private wage and salary workers accounted for nearly 95 percent of total employment in these stores. Most of the remainder were self-employed workers.

[53] Self-employed and unpaid family workers accounted for nearly one-fourth of the total employment in food and dairy stores.

Motor Vehicles and Accessories Retailing (SIC 551–553 and 559)

This industry grouping includes retail dealers selling new and used automobiles and trucks, new parts, and accessories; and aircraft and marine dealers. Automobile repair shops maintained by establishments engaged in the sale of new automobiles also are included.

Employment

Employment has been increasing steadily and in 1965 totaled nearly 1 million.[54] As the sale and use of motor vehicles continue to increase in the coming decade, employment in this industry also is expected to continue to grow.

Occupational composition and trends

Motor vehicle mechanics (27 percent), managers and proprietors (25 percent), and salesworkers (22 percent) constituted about three-fourths of all employment in 1960. Eleven percent of the workers were clerical personnel, nearly one-half of whom were bookkeepers (5 percent). Laborers, mostly garage laborers, car washers, and greasers, made up an additional 5 percent of employment.

Larger establishments are expected to become increasingly important in this industry. Growing emphasis is being placed on parts, service, and maintenance facilities offered by larger dealers. Many small marginal dealers are being eliminated; as a result the proportion of managers, especially self-employed managers, is expected to decline. Requirements for salesworkers will decline because they also make up a relatively small proportion of the work force in large dealerships.

The ratio of motor vehicle mechanics and repairmen is expected to increase. An increasing share of automobile maintenance and servicing activity is shifting to new car dealerships as a result of the growing emphasis being placed on long-term new car warranties. The increased use of power and special purpose tools and electronic test equipment will tend to modify employment growth.

Gasoline Service Stations (SIC 554)

This industry group includes establishments primarily engaged in selling gasoline and lubricating oils. These establishments may also sell other merchandise and perform minor repair work.

Employment

Employment in this industry group has been growing steadily and by 1965 reached 741,000 workers.[55] Further employment increases are expected in the decade ahead as motor vehicles expand in use.

Occupational composition and trends

Nine-tenths of all employment in 1960 was concentrated in only three occupations: Auto service attendants (50 percent), managers and proprietors (33 percent), and motor vehicle mechanics (9 percent).

The occupational structure of the industry will be affected by continued growth of larger service stations. The proportion of managers, especially the self-employed owner-operators, is expected to decline, but the proportion of salaried attendants will grow. Automobile mechanics and repairmen will increase sharply as large stations expand their repair activities. The growth in the proportion of mechanics will be moderated because of new and improved tools and testing equipment.

The need for laborers will drop further as modern car washing establishments continue to attract a larger share of this business away from gasoline service stations.

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[54] Self-employed and unpaid family workers accounted for about 13 percent of the work force in motor vehicle and accessories retailing.

[55] Self-employed and unpaid family workers accounted for nearly 33 percent of the work force in gasoline service stations.

Apparel and Accessories Retailing (SIC 56)

This major industry group is comprised of retail stores specializing in selling clothing, shoes, and related articles for personal wear and adornment.

Employment

Between 1950 and 1965, employment increased at a slow pace to about 728,000 workers in 1965.[56] Moderate employment increases occurred in men's and boys' clothing, family clothing, and shoe stores; sharp decreases occurred in custom tailoring, and furriers, and fur stores. These employment trends are expected to continue during 1965–75.

Occupational composition and trends

In 1960, more than 70 percent of the major group employment was in two occupational groups—managers, officials, and proprietors (27 percent) and salesworkers (44 percent). Craftsmen accounted for 4 percent of the work force and mainly consisted of furriers and tailors. The operative group (7 percent) included milliners, dressmakers, and seamstresses. The following clerical workers had significant proportions of total employment: Cashiers (3 percent), bookkeepers and accounting clerks (3 percent), and residual clerical workers (4 percent). About 2 percent of the work force was in service occupations including porters, elevator operators, models, and attendants.

Between 1960 and 1975, several changes are expected in the occupational structure of this major industry group. The most significant changes will result from the continued movement away from small owner-operated stores towards larger, more competitive establishments. This trend will result in a further decline in the ratio of managers, officials, and proprietors and an increase in the ratio of salaried salesworkers. The proportion of bookkeepers and accounting clerks also will increase as establishment size grows. In small firms, these activities usually are performed by the managers or an outside service firm, whereas large establishments employ their own clerical workers.

The requirement for cashiers will increase as shoe stores, where most of these workers are currently employed, and discount (rack type) clothing stores continue to grow in importance. Decreases in the proportions of furriers and tailors and tailoresses (craftsmen n. e. c.), and milliners, dressmakers, and seamstresses (operatives n. e. c.) are expected as employment continues to decline in the stores employing these workers.

Furniture, Home Furnishings, and Equipment Retailing (SIC 57)

This major industry group is made up of stores selling goods used for furnishing the home, such as furniture, floor coverings, draperies, glass and chinaware, stoves, refrigerators, freezers, and other electrical and gas appliances.

Employment

Employment in this major industry group has remained relatively stable in recent years at about 534,000 workers.[57] Between 1965 and 1975, employment is expected to increase slowly, because furniture and home equipment sales are expected to increase despite strong sales competition from other retail industries, e.g., department stores.

Occupational composition and trends

In 1960, salesworkers, and managers and proprietors accounted for over one-half of the work force in this major industry group. Mechanics and repairmen (9 percent), and drivers and deliverymen (6 percent) also made up significant proportions of employment. Other occupations which have significant ratios included: Bookkeepers and accounting clerks (4 percent); residual clerical workers (5 percent), such as stock clerks, ticketers, and markers; cabinetmakers (2 percent); and upholsterers (1 percent).

Minor changes in this major industry group's occupational structure are expected between 1960 and 1975. Overall establishment size will increase slowly as some small marginal owner-operated stores are eliminated by larger and more competitive establishments and discount houses. The ratio of managers and proprietors, who make up a larger share of the employment in small stores, will decrease as establishment size increases. Conversely, occupations such as clerical workers, some repairmen, upholsterers, and deliverymen, which have higher ratios in larger stores, will increase as proportions of total employment.

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[56] Private wage and salary workers accounted for about 85 percent of total employment. Most of the remainder were self-employed and unpaid family workers.

[57] Self-employed and unpaid family workers accounted for more than 25 percent of total employment in 1965.

Eating and Drinking Places (SIC 58)

This major industry group includes retail establishments selling prepared food and drinks for consumption on the premises. Also included are lunch counters and refreshment stands, except those operated as a subordinate service facility by another type of business establishment.

Employment

Employment has been increasing moderately and by 1965 stood at over 2.2 million workers.[58] The increase has been occurring in the eating places industry; employment has been declining in drinking places. During 1965–75, employment in eating places is expected to continue its rapid growth because of increasing population, rising disposable income, and more leisure time. Employment in drinking places is expected to level off and remain near its present level.

Occupational composition and trends

In 1960, service workers accounted for more than 7 out of 10 workers in this major industry group. The largest service occupations were waiters and waitresses (32 percent), cooks (15 percent), bartenders (7 percent), and counter and fountain workers (3 percent). An additional 14 percent (mainly kitchen helpers and dishwashers) were combined into the service workers residual occupation. Other important occupations were managers and proprietors (21 percent), and cashiers (2 percent).

During 1960–75, the proportion of managers and proprietors will decline as large eating places and multiunit establishments (in which they make up a smaller share of the work force) grow in importance. Between the 1950 and 1960 censuses, waiters and waitresses increased in share of total employment. However, the rapid growth through the first half of the 1960's of franchised drive-in and carry-out and other specialized types of restaurants apparently has created a greater demand for counter workers. The latter are projected to increase as a share of total employment; waiters and waitresses, although expected to show a large increase in number, are projected to decline as a proportion. Automatic dishwashing and food preparation equipment will affect adversely the proportion of kitchen helpers and dishwashers; however, the impact of these developments will be modified by the trend towards larger establishments in which more workers whose duties are limited to these functions are found. The proportion of bartenders will decrease as the demand for out of the home liquor service grows less rapidly than the demand for food service.

Drug Stores (SIC 591)

This industry consists of establishments engaged in the retail sale of prescription drug and patent medicines. Most drug stores carry a number of related lines of merchandise. They are included in the industry on the basis of their usual trade designation rather than on the more strict interpretation of commodities handled.

Employment

Employment has been growing steadily in this industry and stood at 450,000 workers in 1965.[59] The rise in employment reflected the trend toward larger new drug stores hiring more employees than the small service type store. The increasing number of high-traffic shopping centers in the suburbs has encouraged the establishment of large drug stores that handle additional lines of merchandise.

Further employment growth is expected during the next decade, particularly as the number of larger stores, in suburban shopping centers and urban renewal developments, continues to expand.

Occupational composition and trends

In 1960, about 34 percent of all workers in drug stores were sales clerks. An additional one-fourth of the workers were pharmacists. Other occupations which have significant shares of total employment were managers (10 percent), deliverymen (4 percent), and cashiers (3 percent).

The continuing shifts from relatively small size drug stores—each of which must have a pharmacist on duty—to larger stores will result in a drop in the pharmacists' share of total employment, but not in the actual number employed. In small stores, pharmacists frequently perform managerial and saleswork, as well as dispense prescriptions. In high traffic stores, their work is more likely to be confined to dispensing drugs. The increased formulation of prescription-type drugs by the manufacturer also will reduce requirements for pharmacists.

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[58] Private wage and salary workers accounted for more than 85 percent of total employment. Most of the remainder were self-employed and unpaid family workers.

[59] Private wage and salary workers accounted for nearly 90 percent of total employment in drug stores. Most of the remainder were self-employed workers.

Cashiers will continue to increase as a proportion of total employment as trends toward self-service and the use of the checkout system continue.

The ratio of salesworkers is expected to remain about the same as the increase in the requirements for these workers. The growing number of large stores is offset by self-service and central checkout operations.

Miscellaneous Retail Stores (SIC 59 Except 591)

This industry grouping is composed of retail stores not elsewhere classified. It includes liquor stores; antique and secondhand stores; book and stationery stores; sporting goods stores and bicycle shops; farm and garden supply stores; fuel and ice dealers; and other miscellaneous stores n. e. c.

Employment

Since 1950, employment has increased steadily to almost 1 million workers in 1965.[60] More than 40 percent of the workers in this industry grouping were employed by liquor stores, fuel and ice dealers, and farm and garden stores. The fastest growing segments have been optical goods stores, liquor stores, sporting goods stores, and antique and secondhand stores. On the other hand, employment has been declining in book and stationery shops; jewelry shops; miscellaneous retail n. e. c.; and fuel and ice dealers. Despite the divergent trends, additional growth is expected during the next decade in response to increasing population and disposable income.

Occupational composition and trends

In 1960, more than three-fourths of employment in this industry grouping was in five occupations—salesworkers (31 percent); managers, officials, and proprietors (32 percent); truckdrivers and deliverymen (8 percent); accounting clerks and bookkeepers (4 percent); and laborers (4 percent).

The occupational structure changes expected during 1960–75 will result primarily from changes in the relative importance of the several segments of the industry grouping. The increase in salesworkers will continue as stores employing large proportion of these workers, particularly liquor stores, sporting goods and bicycle shops, and florists grow in importance.

The decrease in the proportion of managers, officials, and proprietors also is expected to continue because of a sharp decrease in the number of small owner-operated stores.

The proportion of truckdrivers and deliverymen will remain stable. The increasing requirements for deliverymen in liquor stores and florist shops will offset the decline for such workers in fuel and ice dealerships.

Banks and Credit Agencies[61] (SIC 60 and 61)

These major industry groups include institutions engaged in deposit banking or closely related functions, including fiduciary activities. Establishments engaged in extending credit in the form of loans but not engaged in deposit banking are included also.

Employment

Since 1950, these major industry groups have been characterized by very rapid employment growth and have reached a high of 1. 1 million workers in 1965.[62] Between 1965 and 1975, employment is expected to increase further as demand for financial services continues rising. The rate of expansion in employment will be slightly slower than that in the 1950's as the increased utilization of computers and other innovations is expected to moderate employment growth.

Occupational composition and trends

In 1960, managers, officials, and proprietors, and clerical workers accounted for 90 percent of total employment in this major industry grouping. Significant detailed occupations were bank tellers (13 percent); accounting clerks and hand bookkeepers (14 percent); stenographers, typists, and secretaries

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[60] Self-employed and unpaid family workers accounted for about 33 percent of total employment. Most of the remainder were private wage and salary workers.

[61] For additional information see "Changing Manpower Requirements in Banking" Monthly Labor Review, September 1962, pp. 989-995.

[62] Private wage and salary workers made up about 98 percent of employment; government workers accounted for nearly all of the remainder.

(11 percent); office machine operators (5 percent); cashiers (2 percent); and accountants and auditors (2 percent). The clerical residual occupation, which includes such workers as credit adjustors and analysts, check examiners, sorters, and file clerks accounted for an additional 19 percent of the workers.

The widespread utilization of computers, magnetic ink character recognition systems, and electronic transmission of data and check facsimiles will contribute to a number of significant changes in the occupational structure during 1960–75. The proportion of clerical workers is expected to decline. The decreases will be especially sharp in such occupations as check tabulation, sorting, and clearance; account maintenance and statement preparation; and other routine banking functions for which the application of the new electronic data processing equipment is most suited. On the other hand, requirements are expected to increase for clerical workers such as console and keypunch operators. As a result of the increases in the number of banks and branch offices and in the services provided, the proportions of bank managers and officers, bank tellers, and cashiers are expected to continue growing.

Stock Brokers and Investment Companies (SIC 62 and 67)

These major industry groups include establishments engaged in the underwriting, purchase, sale or brokerage of securities, and other financial contracts on their own account or for the account of others; stock and commodity exchanges; holding companies, investment companies such as mutual funds, trusts; and miscellaneous investment institutions.

Employment

Between 1950 and 1965, total employment in this major industry grouping increased rapidly to about 172,000 workers.[63] The greatest part of the growth occurred among stock and commodity brokers and flotation companies such as investment banks. Employment declined only in holding companies. The increased employment in the industry reflected the expansion of business activity; the consequent need for capital and the flotation of new securities; higher personal incomes, which permitted widespread participation in the stock market by individuals; and promotional efforts by brokers and exchanges, which produced greater public interest in investment.

The anticipated expansion of the economy and the substantially higher per capital incomes projected for 1975 are expected to generate employment increases in most institutions classified in these industry groups. However, developments in more efficient data retrieval and processing, which began in 1960, will tend to slow employment growth in the exchanges and exchange services industries.

Occupational composition and trends

In 1960, about 90 percent of total employment in these major groups was accounted for by clerical workers (41 percent); managers, officials, and proprietors (33 percent); and salesworkers (16 percent). Secretaries, stenographers, and typists alone accounted for about 13 percent of total employment. Professional and technical workers made up about 7 percent of the work force and all blue-collar workers made up 3 percent.

Several significant occupations, which are not separately identified in the regular set of occupations used in this report, are concentrated in this industry. Stock and bond salesmen, including "representatives," are classified in the sales group; brokers and brokerage house floormen are in the managerial group; investment analysts in the professional; and telephone quotation clerks and stock transfer clerks are included in the clerical workers' group.

During 1960–75, a number of significant changes are expected to result from the increasing application of computers, which speed up collection of floor trading data, answer telephoned requests for information, control data displays on stock quotation boards, and prepare current and end of day summary reports. The use of this equipment will affect adversely a variety of clerical occupations. It will eliminate a number of telephone quotation clerks, messengers, floor traders, board operators, and pneumatic tubemen—mostly occupations included in "other clerical." Computers are being used to verify and clear transactions. A central certificate service, which records each firm's securities balances, will eliminate most transfer clerk positions. Automatic telephone quotation service will eliminate telephone quotations clerks at the exchange. Centralized electronic bookkeeping service reduces requirements for accounting clerks, bookkeeping machine operators, and other clerical personnel.

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[63] Private wage and salary workers made up about 90 percent of employment in this major industry grouping; self-employed workers accounted for nearly all the remainder.

Increased capital requirements for trading operations and the need to buy expensive electronic equipment for efficient data processing have led to a number of mergers and consolidations of brokers. The movement to fewer and larger firms will reduce requirements for clerical and managerial personnel by consolidating staffs and eliminating duplication. Increased emphasis is being placed on the importance of research in all fields of investment, and will result in a sharp increase in the importance of professional workers such as investment analysts and computer data processing planners (both included in professional n.e.c.) during 1960–75.

Insurance (SIC 63 and 64)

These major industry groups comprise insurance carriers of all types, as well as agents and brokers dealing in insurance and organization rendering services to insurance carriers or policyholders.

Employment

Employment has been steadily increasing at a moderate rate, and reached 1.2 million workers in 1965.[64] Additional growth is expected during 1965–75, but will be modified by the increasing application of automatic data processing technology.

Occupational composition and trends

In 1960, over 47 percent of total employment in this major industry grouping was made up of clerical workers such as stenographers, typists, and secretaries (18 percent), and other clerks, which included insurance adjusters, examiners and investigators, bill and account collectors, and amortization clerks (23 percent). Insurance agents and brokers accounted for nearly one-third of total employment; and managers and proprietors (13 percent).

Between 1960 and 1975, the expanding use of automatic data processing will result in moderate changes in the occupational composition of this major industry grouping. Computers increasingly are performing many of the recordkeeping and other routine clerical functions associated with the collection and disbursement of insurance funds.[65] Occupations affected adversely by this equipment will be accounting clerks and bookkeepers, and the clerical residual occupation in which most of the specialized insurance clerical workers are classified. These decreases will be offset by partially increased requirements for operators of office machines and peripheral computer equipment.

Real Estate (SIC 65 and 66)[66]

These major industry groups include real estate operators; agents, brokers and managers; subdividers and developers. Also included are title abstract companies and establishments engaged in any combination of real estate, insurance, loans, or the practice of law, in which any one activity does not predominate.

Employment

Total employment has been growing moderately, reaching a peak of about 741,000 in 1965. Despite anticipated growing real estate activity, employment will grow at a slower pace during 1965–75, primarily because of greater utilization of contract services for maintenance in multiunit buildings.

Occupational composition and trends

In 1960, real estate agents and brokers; and managers, officials, and proprietors made up half of the work force. Other significant occupations were stenographers, typists, and secretaries (7 percent); janitors and sextons (8 percent); service workers n.e.c., which included elevator operators, doormen, chambermaids and porters (9 percent); laborers (6 percent); clerical workers n.e.c., such as general office clerks, file clerks, appraisers, and title searchers (6 percent); and bookkeepers and accounting clerks (2 percent).

Several changes in the occupational structure of this major industry grouping are expected by 1975. The growing demand for residential housing and commercial buildings, which is generated by the rising population and expanding business activity, will result in continued growth for real estate agents and brokers (included in salesworkers). The growing importance in the population of the 20 to 30 and over 60 age groups will stimulate a high level of demand for apartment housing with a concomitant rise in requirements for apartment and building managers.

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[64] Private wage and salary workers constituted about 95 percent of total employment. Most of the remainder were self-employed workers.

[65] For more information see BLS Bulletin 1468 (1965), Impact of Office Automation in the Insurance Industry.

[66] Nearly 25 percent of the workers in real estate were either self-employed or unpaid family workers; about 5 percent were in government; and the remainder were private wage and salary workers.

A growing trend towards contracting out a variety of maintenance and service activities in apartment and commercial buildings will continue during 1960–75. The requirements in the real estate industry for workers such as equipment repairmen, janitors, charwomen, and guards will drop sharply as a result of this practice. The ratio of elevator operators will decline still further between 1960–75 as these workers are replaced by new automatic self-service elevators.

Hotels and Other Lodging Places (SIC 70)

This major industry group includes commercial establishments and institutions engaged in furnishing lodging, or lodging and meals, and camping space and facilities, on a fee basis.

Employment

Employment in this major group increased steadily to an estimated 766,000 workers in 1965.[67] The largest employment increase occurred in motels as the result of the continued rise in automobile travel, which contributed to the rapid expansion of motels. Hotel employment grew at a slower pace; employment in other lodging places slowly declined. These employment trends are expected to continue during 1965–75. Rising personal income, expanding business activity, sustained automobile travel, and increasing leisure time will stimulate further employment growth, particularly in motels.

Occupational composition and trends

In 1960, service workers made up over 61 percent of the employment in this major service industry group. The most significant service occupations for which separate occupational data were available, included waiters and waitresses (8 percent), cooks (4 percent), and charwomen and cleaners (2 percent). The miscellaneous service workers group, which included workers such as doormen, elevator operators, maids, porters, and housekeepers, made up almost 44 percent of total employment. The second largest occupational group was managers and proprietors (20 percent).

Between 1960 and 1975, only a few changes are expected in the occupational structure of this major industry group. Mechanics and repairmen are expected to continue to grow in number and reflect the increasing maintenance requirements of modern facilities such as air conditioning and swimming pools now being offered by hotels and motels. On the other hand, requirements for some service workers are expected to decline; for example, manually operated elevators are being increasingly replaced by self-service units.

Laundries and Cleaning (SIC 721), and Pressing, Alteration, and Repair Shops (SIC 727)

This industry consists of establishments engaged in providing family and commercial laundry; cleaning and dyeing service; and diaper, linen, and industrial laundry supply; and self-service laundries. Also included are businesses engaged in pressing, repairing and altering clothing, and in the cleaning, repairing, and storing of furs.

Employment

Employment in this industry has declined slightly since 1950, to about 678,000 workers in 1965.[68] Most of this decrease occurred in the power laundry industry because of the increasing use of self-service laundries and household washing machines. Moreover, the growing acceptance of wash-and-wear clothing adversely affected employment. In recent years, some employment decreases have occurred also in the drycleaning industry as a result of the growing popularity of self-service drycleaning machines. On the other hand, self-service laundries and industrial laundries have experienced steady employment growth. During 1965–75, total employment is expected to increase moderately as employment growth in self-service and industrial laundries more than offsets the declining trends.

Occupational composition and trends

In 1960, four occupations accounted for nearly 90 percent of the workers. They were: Operators of specialized laundry and drycleaning equipment who are grouped under the general title of laundry and drycleaning operatives (51 percent); managers, officials, and proprietors (18 percent); miscellaneous clerical workers such as counter clerks, laundry attendants, and branch managers (10 percent); and deliverymen (6 percent).

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[67] Private wage and salary workers accounted for about 85 percent of employment in hotels and other lodging places; the remainder were mostly self-employed workers.

[68] Private wage and salary workers accounted for about 85 percent of employment in this industry grouping; self-employed and unpaid family workers made up the remainder.

Between 1960 and 1975, the proportion of laundry and drycleaning operatives will decrease as power laundries continue to decline in importance. The growing utilization of self-service, coin-operated drycleaning machines and the increasing mechanization of industrial laundries also will reduce the requirements for these workers. The ratio of clerical workers will increase, especially attendants associated with the operation of coin-operated, self-service laundries and drycleaning establishments, and large industrial laundries. The proportion of deliverymen and routemen is expected to increase as delivery service becomes more widespread, particularly for industrial laundries. However, the increase will be moderated by an anticipated decline for delivery service in the cleaning and dyeing industry, which will continue to be affected adversely by self-service establishments.

All Other Personal Services (SIC 722–726 and 729)

This industry includes barber, beauty, shoe repair, and hat cleaning shops; photographic studios; funeral parlors and crematories; and steam baths.

Employment

Since 1950, employment has increased steadily in this industry grouping to 849,000[69] in 1965. The largest industries were barber and beauty shops, which together employed almost 70 percent of the workers in this industry grouping in 1960. Although employment is declining in shoe repair and dressmaking, it is expected to continue growing in all other services in this group between 1965 and 1975, as the result of population increases and rising personal incomes.

Occupational composition and trends

In 1960, service workers accounted for more than 3 out of 4 employees in this industry grouping. More than 90 percent of the service workers were barbers, hairdressers, and cosmetologists. Professional and technical workers made up 8 percent of all employment—the most important occupations were photographers and funeral directors and embalmers. All other white-collar workers made up 6 percent of industry employment. Shoemakers and repairers were classified in the craftsmen n.e.c. group, which accounted for about 3 percent of the work force. Dressmakers and seamstresses were classified in the operative n.e.c. group, which made up about 6 percent of total employment.

Several important changes in the occupational structure of this industry grouping are expected. The proportion of hairdressers and cosmetologists (beauty operators) will increase significantly. Employment of beauty operators is expected to grow more rapidly than the female population because of the greater number of women in the work force and increased personal consumption expenditures.

The declining proportions of shoemakers and repairers, and dressmakers and seamstresses will continue as a result of the decreasing demand for the services provided by these segments of the industry. The relative decline of most other occupations will reflect mainly the relatively rapid growth of beauty operators.

Miscellaneous Business Services (SIC 73)

This major industry group includes establishments offering advertising services (SIC 731) and establishments supplying other miscellaneous business services (SIC 732–736 and 739). The latter subgroup includes consulting and management firms, research laboratories, firms supplying stenographic and mailing services, employment agencies, establishments furnishing building maintenance services, data processing services, detective agencies, credit agencies, and other business service activities. Occupational patterns are available for each subgroup.

Employment

Employment in this major group increased sharply after 1950 to more than 1.2 million workers in 1965.[70] This expansion is due to the other miscellaneous business services subgroup, which almost quadrupled in size during this period and in 1965 accounted for about 90 percent of this industry's employment. Industry employment is expected to continue to grow because of the steadily increasing demand for building maintenance services, protective services, data processing and consulting, and research and development services. Continuing past trends, modest employment growth is expected for those firms supplying advertising, credit reporting and collection, machine rentals, telephone answering services, and for employment agencies.

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[69] In 1960 employment was about equally divided between wage and salary and self-employed workers.

[70] About 11 percent of total employment in this industry was accounted for by self-employed and unpaid family workers; private wage and salary workers made up nearly all the remainder.

Occupational composition and trends

Advertising: In 1960, white-collar workers made up 88 percent of employment. The most important occupations were: Managers and proprietors (31 percent); stenographers, typists, and secretaries (12 percent); other clerical workers which includes leasemen (of time or space) and advertising media clerks (10 percent); salesworkers (10 percent); and editors and reporters (5 percent).

White-collar workers are expected to increase somewhat in relative importance between 1960 and 1975. They are heavily concentrated in agencies concerned with radio, television, newspaper, and periodical advertising whose employment has been increasing moderately. Modest advances are expected in the occupations of editors and reporters, and in the occupational group "other professional and technical workers n.e.c.," which includes advertising agents, analysts, and counselors. Blue-collar workers, including carpenters, painters, foremen, and operatives, are expected to drop in relative importance after 1960. They are concentrated in outdoor advertising agencies such as those concerned with billboards, aerial advertising, and handbill distribution whose employment recently has been declining. Outdoor advertising is being affected adversely by antibillboard legislation and competition from other methods. A smaller employment share for salesworkers and a larger one for managers appears to be due to an increase in the number of small establishments and fewer intermediate size establishments. In the smaller establishments saleswork is more likely to be performed by managerial personnel.

Other Miscellaneous Business Services: In 1960, almost two-thirds of the employees in this industry group were white-collar workers. Important occupations were managers, officials, and proprietors (20 percent); stenographers, typists, and secretaries (10 percent); and engineers and salesworkers (each 4 percent). About 1 person in 6 was in the residual group, other clerical workers n.e.c. Important blue-collar occupations were guards and watchmen (4 percent); and mechanics and repairmen (3 percent). The custodial occupations such as charwomen and janitors included 7 percent of the workers. More than 7 percent were in the residual group, other operatives n.e.c. In this industry group the detailed sectors engaged in business consulting; research, development, and testing; building maintenance services; and detective agencies and protective services have been growing more rapidly in employment in recent years then credit agencies, mailing and duplication firms, equipment rental, and other miscellaneous business services.[71] Data are not available specifically for data processing service bureaus, but these organizations also are believed to be growing rapidly. Assuming that the differential growth patterns for parts of this industry will persist in the period ahead, it is expected that engineers, technicians, computer systems analysts, and other professional and technical workers; building maintenance workers such as carpenters, electricians, and janitors will be a larger share of total employment in 1975 than in 1960.

Automobile Repair Services and Garage (SIC 75)

This major industry group includes establishments primarily engaged in furnishing automobile repair, car rental, parking facilities, carwashing, and storage services to the general public.

Employment

Total employment expanded rapidly in this major industry group to about 501,000 workers in 1965.[72] Most of the growth occurred in automobile repair shops in which two-thirds of the major group's workers were concentrated. In recent years, however, the smaller industries, automobile rental and carwashing, have experienced the fastest growth rates. Further employment growth is expected during 1965–75 as the number of automobiles in use and the concomitant need for repairs increases. In addition, the demand for automobile rental and washing services will continue to rise sharply.

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[71] Comparisons for these very detailed sectors are based on data in the U.S. Census of Business for 1958 and 1963.

[72] Self-employed and unpaid family workers made up about 35 percent of the work force; private wage and salary workers made up the remainder.

Occupational composition and trends

In 1960, more than half of the workers in this major industry group were motor vehicle mechanics. Other significant occupations were managers and proprietors (16 percent), laborers (7 percent), and auto service and parking attendants (5 percent).

Several changes in the occupational structure of this major industry group are expected by 1975. Motor vehicle mechanics and repairmen are expected to decline moderately as a proportion of total employment. The growing practice of offering extended new car warranties will result in an increasing shift of automobile repairing from this major group to new car dealerships. This trend will slow the growth in the automobile repair industry group where the mechanics and repairmen are concentrated. In addition, the increasing use of power tools and complex test equipment such as dynamometers and engine analyzers will increase output per worker and further reduce requirements for mechanics. Increases will occur in most of the clerical occupations because of the rapid growth in car rental services and the general increase in larger size establishments, which normally employ higher proportions of white-collar workers.

Miscellaneous Repair Services (SIC 76)

This major industry group consists of establishments primarily engaged in various repair services. Included are radio, television, and other electrical repair shops; watch, clock, and jewelry repair shops; reupholstery and furniture repair shops. Also included are miscellaneous repair services such as bicycle repair, leather goods repair, locksmith and gunsmith shops, musical instrument repair, and armature rewinding shops.

Employment

Employment in this major group has been rising moderately and reached 312,000 in 1965.[73] It is anticipated that employment will continue to increase at the same pace through the coming decade. The projected employment growth will be related to expanding demand for electronic products for home entertainment, commercial uses, and medical application. Also, the number of appliances in use is expected to be much greater in the future. These developments are expected to generate the demand for additional repair services.

Occupational composition and trends

In 1960, almost 79 percent of employment in this major industry group was accounted for by blue-collar workers, a large majority of whom were craftsmen, foremen, and kindred workers (59 percent). Important skilled occupations were electricians (2 percent), blacksmiths (2 percent), jewelers and watchmakers (3 percent), upholsterers (6 percent), radio and television mechanics and repairmen (18 percent), and miscellaneous mechanics and repairmen such as appliance repairmen, air-conditioning repairmen, musical instrument repairmen, and farm equipment repairmen (19 percent). Other significant occupations were the operatives and kindred workers group (17 percent), of whom one-half were welders and flame-cutters; managers, officials, and proprietors (14 percent); and bookkeepers (2 percent).

Although the ratio of the total craftsmen, and kindred workers group will decrease slightly, significant changes are anticipated for individual occupations within this group by 1975. The proportion for mechanics and repairmen n. e. c. will rise in response to the growing use of household appliances and home and business air-conditioning. Offsetting these increases are anticipated declines for craftsmen such as carpenters, electricians, blacksmiths, and motor vehicle mechanics, mainly because of changing consumer preferences for various products.

The trend toward larger establishments is expected to effect diverse changes among white-collar workers. The proportion of managers, officials, and proprietors will decline as the clerical workers ratio increase.

Entertainment and Recreation Services (SIC 78 and 79)

Separate occupational ratios are available for motion pictures, theaters, orchestras, and entertainers (SIC 78 and 792) and for miscellaneous entertainment and recreation services, which includes dance studios, bowling alleys, commercial sports, and golf clubs (SIC 791, 793, and 794).

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[73] Self-employed and unpaid family workers made up more than 55 percent of the work force in miscellaneous repair services; private wage and salary workers accounted for nearly all the rest.

Employment

Between 1950 and 1965,[74] employment declined steadily in this major service industry grouping mainly as the result of the very sharp employment decline in theaters and motion pictures, which bore the brunt of the competition from television. In motion picture theaters, payroll employment declined from 187,000 in November 1948 to 113,000 in November 1963.[75] During the next decade, however, the employment trend is expected to take an upward turn primarily because of continued more rapid employment increases in miscellaneous entertainment and recreation service establishments, such as golf courses, swimming clubs, professional athletic clubs, and racetracks. In addition, the employment trend in motion pictures and theaters also is expected to turn slightly upward, as the major adverse effects of television on theater attendance appear to have been absorbed, and because the demand for movies made for television is expected to increase.

Occupational composition and trends

Motion picture, theaters, orchestras, and entertainers. In 1960 more than half of total industry employment was in five occupations—managers (17 percent), musicians (14 percent), cashiers (8 percent), motion picture projectionists (8 percent included in craftsmen n. e. c.), and ushers (7 percent included in service workers n. e. c.). Actors and actresses accounted for 3 percent of the industry total. (Actors, artists, authors, dancers, and musicians are all included in the occupational category, workers and teachers in the arts and entertainment.)

The sharp drop in the number of movie theaters, which occurred during the 1950's as television became established is not expected to continue during 1960–75. Actors and actresses declined in relative importance in the 1950's, mainly because of the sharp drop in motion picture production. However, during 1960–75, these workers are expected to increase as proportions of total employment because of the brighter outlook for the motion picture industry and the expected rise of year-round professional acting companies in more cities, which offer permanent employment.

The relative importance of musicians declined during the 1950's as recorded music replaced live music. Between 1960 and 1975, the proportion of musicians is expected to resume an upward trend, because of anticipated growing demand for live music in bars, restaurants, night clubs, and private gatherings.

Miscellaneous Recreation Services. In 1960, three occupational groups—professional and technical workers (17 percent), managers, officials, and proprietors (17 percent), and service workers (41 percent), accounted for nearly three-fourths of employment in this industry grouping. Dancers and dance teachers, and sports instructors and officials were the two largest occupations in the professional and technical workers group. The majority of the service workers were in the miscellaneous service workers category, which included caddies, ticket collectors, concession attendants, and operators of various amusement park rides.

The occupational structure was affected by two diverse trends between 1948 and 1963.[76] The 1948–58 period was characterized by a decline in employment in bowling alleys, baseball and football clubs, and sports promoters. Despite an increase of over 50 percent in the number of establishments, employment in bowling alleys dropped from 40 to 28 percent of total employment in miscellaneous entertainment and recreation services, due primarily to the adverse effects of automatic pinsetters on the employment of pinboys. Employment in baseball and football clubs and sports promoters declined because of the increasing coverage of sports by television, which resulted in the demise of many minor league teams and small boxing clubs. Employment in establishments providing "other amusement and recreation services" showed the greatest relative increase. Most of these establishments, such as swimming pools and amusement parks, catered to the young, and between 1948 and 1958 the proportion of the population under age 20 rose more than 4 percentage points.

The 1958–63 period was marked by either modification or reversal of the trends of the previous period. Employment in bowling alleys grew as the sport became increasingly popular. Employment in baseball and football clubs, sports promoters, and billiard and pool halls was relatively stable. The importance of "other commercial amusement and recreation services" continued upward, but at a slower rate because of a slower rate of increase in the under 20 age group. It is anticipated that the employment trends of 1958–63 will continue during the next decade.

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[74] In 1965, the distribution of employment by class of worker was about as follows: Private wage and salary workers (80 percent), self-employed and unpaid family workers (15 percent), and government workers (5 percent).

[75] U.S. Department of Commerce, Bureau of the Census, Censuses of Business, 1948 and 1963.

[76] Ibid; 1948, 1958, and 1963.

The proportion of managers is expected to decline as the size of establishments tends to increase. Continued increase in the use of mechanical devices such as pinsetting devices, will cause a continued increase in the relative importance of mechanics. The total service workers group is expected to increase as food service operations in bowling alleys, golf clubs, and other amusement places become a greater part of total employment. Some individual service occupations such as concession and ride attendants will decline as proportions of total employment.

Medical and Health Service Industry (SIC 80)

Separate occupational patterns are available for (1) hospitals, including clinics and other similar facilities, and (2) for all other medical and health facilities including offices of medical and health practitioners, laboratories, and other institutions, which furnish medical, dental, convalescent, and other related services.

Employment

Employment in all medical and health services approximately doubled between 1950 and 1965 to include over 3.3 million workers at the end of this period.[77] Employment in hospitals accounted for 65 percent of all workers in this major group. In 1965, about 1 out of 3 workers in the medical services industry was a Federal, State, or local government employee and 87 percent of them were employed in hospitals.

Between 1965 and 1975, employment in this major service group is expected to increase more than 60 percent because the demand for medical and health services is expected to be supported by increasing Federal and private medical insurance programs, and higher levels of personal income.

Employment is expected to grow more rapidly in the other medical and health services segment than in the hospitals segment because more attention will be given to preventive medicine, the increasing use of sanatoriums and convalescent homes, and outpatient treatment. Parents will be more concerned with early preventive and corrective medical and dental measures for their children—immunity injections, orthodontic procedures, eyeglasses, weight control, etc. Older people and others will be able to afford extensive nursing care in convalescent and rest homes. In addition, the expansion of technical facilities will lead to greater utilization of independent medical laboratories to aid in the identification of diseases.

The anticipated rapid rise in demand for hospital services will be met by building more hospitals, by increasing the number of beds available for patients in existing hospitals, and by improved treatments that will shorten the duration of in-hospital care. Employment growth will be tempered by technological innovations, including computers, disposable materials, and electronic monitors, that will increase the efficiency of supporting workers, such as clerical and service workers, and expand the effectiveness of professional workers, such as nurses, who may be in short supply.

Occupational composition and trends

In 1960, professional, technical, and kindred workers made up 42 percent of total employment in medical and health services. Occupations which have significant proportions of total employment were: Nurses (17 percent), physicians and surgeons (8 percent), medical and dental technicians (5 percent), and dentists (3 percent). Service workers accounted for more than 1 out of 3 in the work force and nearly half of them were attendants. About one-fourth were in the residual service workers group, which included kitchen workers, porters, and barbers. Practical nurses also accounted for a significant proportion of total employment (6 percent). Clerical workers made up about 16 percent of the work force. About one-third of the clerical workers were stenographers, typists, and secretaries.

In medical and health services (except hospitals), the proportion of professional, technical, and kindred workers was over 50 percent higher than in the hospitals segment, primarily because most physicians, dentists, optometrists, and osteopaths are in private practice. The proportion of clerical workers also was much larger in the other medical and health services segment than in hospitals, because of the many small sized establishments. On the other hand, the ratios of craftsmen (such as mechanics and repairmen), operatives (such as laundry operators) and service workers (such as cooks, waiters and waitresses, hospital attendants, and other service workers—e.g., kitchen workers) in hospitals were more than double the ratios for these occupational groups in the other health service industry group.

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[77] The distribution of employment by class of worker in medical and health services was about as follows: Private wage and salary (60 percent), government (29 percent), and self-employed (11 percent).

Between 1960 and 1975, overall manpower requirements in the entire medical and other health services industry are expected to increase rapidly. Despite declines in their proportionate share of employment, requirements will be particularly high for professional, technical, and kindred workers to provide reasonable nurse and doctor-to-patient ratios and to cope with the increasingly complex technological innovations (e.g., artificial hearts) that are appearing in medical and health facilities.

The demand for all workers in this service industry will be influenced by the changing nature and composition of medical and health care, such as improvements in drug therapy, which may permit treatment of some illnesses in the home; the growing trend toward the use of nursing home; and the increase in outpatient treatment. A second influencing factor will be increases in productivity resulting from technological innovations, as seen in the following examples: (1) New testing equipment in the clinical laboratory that increases output per technician; (2) disposable materials for items such as bed linens, gowns, and hypodermic syringes that reduce manpower needs for some types of service workers; and (3) electronic data processing systems that will keep the share of electrical workers from increasing.[78]

Between 1960 and 1975, nearly every occupation among the professional, technical, and kindred workers group in this service industry is expected to decline as a proportion of total employment primarily because of increasing reliance upon nonprofessional personnel to support doctors and nurses, and to perform routine nontechnical duties, such as clerical activities. A major exception, medical and dental technicians, will more than double in number as a result of the expanding use of laboratories, instruments, and X-ray techniques for diagnosis and treatment.

Increases among clerical workers will be primarily attributed to rising demand for these workers in the more rapidly growing other medical and health services grouping, which is composed of smaller establishments and therefore less likely to have electronic data processing systems. Technological innovations in such areas as housekeeping (e.g., changing bed linens), maintenance, and food care are expected to affect adversely employment among some service occupations. However, the basic nature of health and medical care services will continue to emphasize personal attention. As a result, anticipated sharp employment growth among practical nurses, aides, and other attendants is expected to more than offset the declines among the other service occupations.

Legal Services (SIC 81)

This industry consists of independent law offices offering legal services on a fee basis. The requirements for legal services and for employment in this industry are expected to increase more rapidly than total employment as per capita incomes grow and the population becomes increasingly urbanized—factors which in the past have been related to greater than average use of legal services. Increased business activity and new laws and regulations also will generate more legal work. In 1965, employment of persons with a primary job in this industry was estimated at 345,000.[79]

Occupational composition and trends

In 1960, about 55 percent of all workers in this industry were lawyers. (Nearly three-fourths of all persons who had a primary job as judge or lawyer were in this industry.) The other occupational group of major importance was the secretary, stenographer, and typist group (36 percent).

The increased demand for legal services will not be translated into a fully proportionate increased requirement for lawyers. Search for legal precedents will be aided by computerized information retrieval services. Secretarial assistance to lawyers will be increased. In 1950, there were 54 secretarial workers for each 100 lawyers in this industry. By 1960, the proportion had grown to 65 for each 100 lawyers. This trend to more secretarial service for each lawyer is expected to continue as the use of the professional knowledge and abilities of lawyers is maximized, and as firms continue to grow in size.

Educational Services (SIC 82 and 84)

These major industry groups includes public and private establishments furnishing formal academic or technical courses, correspondence schools, commercial and trade schools, and libraries. Also included are museums, art galleries, and botanical and zoological gardens. Barbers colleges and schools for the instruction of beauty parlor operators are not included.

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[78] For a discussion of changing technology in health services, see U.S. Department of Labor, Bureau of Labor Statistics, Technology and Manpower in the Health Service Industry, 1965-1975.

[79] Self-employed workers accounted for nearly 50 percent of all employment in legal services; except for a very small proportion of government workers, the remainder were private wage and salary workers.

Employment

Since World War II, employment in these major groups has grown rapidly, and by 1965 had climbed to over 4.7 million workers.[80] The major factor underlying the steady increase in employment was the growth of the school age population. At the beginning of the 1964–65 school year, about 53 million people—more than one-fourth of the country's total population—were enrolled in schools and colleges. The high birth rates of the 1940's brought unprecedented increases in elementary school enrollments in the early 1950's. In the late 1950's and early 1960's, high schools and colleges were feeling the impact of the growing school age population. Moreover, the proportion of young people of high school and college age who were attending school was increasing, as the importance of higher educational attainments became increasingly apparent to young people. In addition, financial barriers to higher education were being surmounted by rising family income, increasing availability of scholarships, and Federal funds for education.

Between 1965 and 1975, employment in educational services is expected to continue increasing, although not as rapidly as in the fifties. The trend toward smaller pupil to teacher ratios and the use of teacher's aides will be offset somewhat by technological innovations such as teaching machines, language laboratories, and television for mass instruction. Total employment is expected to reach 6.8 million in 1975.

Employment in the museums, art galleries, and botanical and zoological gardens major group, which has been less than 1 percent of total industry grouping employment, will not affect future employment trends significantly.

Occupational composition and trends

In 1960, more than one-half of the workers in these major service industry groups were teachers, including: Elementary school teachers (27 percent); secondary school teachers (17 percent); college presidents, professors, and instructors n.e.c. (6 percent); and other teachers, e.g., teachers in commercial and art schools (4 percent). Stenographers, typists, and secretaries made up over one-half of the clerical worker group, which accounted for 9 percent of the work force. More than one-third of the clerical workers were classified in the miscellaneous clerical group, which consisted mainly of library attendants and assistants. Service workers, who made up 14 percent of total employment, included janitors and sextons (5 percent), cooks (3 percent), and other service workers such as nursery school attendants (4 percent).

Between 1965 and 1975, the most significant changes in the occupational structure of this industry grouping will be in the teaching occupations. The ratio of college teachers is expected to grow as the proportion of young people attending college rises due to greater demand for college-trained personnel and the increasing ability to pay for higher education. Although elementary and secondary school teachers are expected to increase in number, they will decline as a proportion of total employment. The relative decline of these teachers will result from an expected slow-down in the rate of increase in enrollment at both the elementary and secondary levels and the use of teacher's aides to perform many clerical and nonprofessional duties previously assigned to teachers. The proportion of teacher's aides (included in the "other clerical workers" group) is expected to rise rapidly, particularly through 1970, as the result of legislation passed in 1965 that makes available Federal funds for employment of teacher's aides.

The growing proportion of cooks will result from the expansion of lunch programs in most school systems. The proportion of managers and officials also is expected to rise as the result of the increasing size of school systems and number of physical facilities.

Welfare, Religious, and Nonprofit Membership Organizations (SIC 86)

Separate occupational patterns are available for welfare and religious organizations (SIC 866 and 867), and other nonprofit membership organizations (SIC 861–865, and 869), which includes trade associations, professional membership organizations, labor unions, civic, social, and fraternal organizations.

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[80] Government workers accounted for about 79 percent of total employment; private wage and salary workers for about 17 percent; and self-employed, 3 percent.

Employment

Employment in these organizations rose very rapidly between the 1950 and 1960 censuses. In 1965, employment was estimated to be about 1.1 million workers.[81] In 1960, welfare and religious organizations accounted for about 70 percent of all workers in this major group. Rising church membership, which has been increasing as a percentage of the growing population,[82] and expanding social welfare activities for the unemployed, the aged, and others have been major contributors to past employment growth. During 1965–75, these same factors will continue to contribute to employment growth but at a somewhat reduced rate than that in the past.

Occupational composition and trends

Welfare and religious organizations. In 1960, professional and technical workers made up almost one-half of all employment in this industry grouping; the largest professional occupations, clergymen, accounted for 31 percent. Among clerical workers (who made up 15 percent of total employment) the most important clerical occupational group was stenographers, typists, and secretaries (10 percent). Over one-fourth of the workers in this industry grouping were service workers, which included janitors and sextons (10 percent).

Clergymen will decline slightly as a proportion of total employment, primarily because welfare activities and the demand for welfare workers are expected to increase at a faster rate. Clerical workers, more specifically stenographers, typists, and secretaries will continue to become more important. As employment and the services of this service industry grouping expand, paperwork will become more voluminous and will require more clerical help.

Other nonprofit membership organizations. In 1960, almost 23 percent of the workers in this service industry grouping were managers and officials. (This classification includes officials of lodges, societies, unions, etc.) Over one-third of the workers were in clerical occupations such as stenographers, typists, and secretaries (18 percent) and miscellaneous clerical workers (11 percent). Professional and technical workers (which included Boy Scout and YMCA leaders) made up 11 percent of total employment. Over one-fourth of the workers were service workers; waiters and waitresses (5 percent); janitors and sextons (4 percent); and other service workers (10 percent). Few sharp changes in occupational structure are expected. The growth in employment for the professional n.e.c. category represents primarily employment of recreation and group workers and continues the trend of the 1950's.

Private Households (SIC 88)

Most paid employment in private households (87 percent in 1960) consist of workers such as maids, cleaning women, babysitters and housekeepers—all included under the title of "Private household worker." In addition, appreciable numbers of practical nurses, gardeners, and general laborers are employed by private households.

Requirements for private household workers are expected to grow as more married women with houses to maintain return to the labor force after their children have entered school or left home. However, because of good business conditions and opportunities for employment in stores and factories, the supply of workers for private households may not meet the demand, at the present relative wage rates for household work and for other jobs.

Engineering and Architectural Services (SIC 891)

This industry is composed of establishments which provide professional architectural and engineering services. In the 1958–65 period private wage and salary employment increased 40 percent.[83] A 50-percent increase in employment is projected for 1965–75. Requirements for the services of the industry are related primarily to the level of nonresidential construction activity, although requirements for research and development in the physical sciences are probably of increasing importance. Greater demand for both construction and research and development is expected to support the future rapid employment growth of this industry.

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[81] In welfare and religious organizations, about 90 percent of all employees are private wage and salary workers. The remainder are about evenly divided between government workers and self-employed workers according to the 1960 population census. Almost all employees of nonprofit membership organizations are private wage and salary workers.

[82] Source: The 1965 Yearbook of American Churches.

[83] About 80 percent of the workers in this industry are private wage and salary workers; most of the remainder are self-employed workers.

Occupational composition and trends

Over two-thirds of all employees in the engineering and architectural services industry were in the professional and technical workers group. About 1 worker in 5 was an engineer and civil engineers alone were 8 percent of total employment. Architects were 10 percent of total employment, and over four-fifths of all employed architects were in this industry in 1960. Important technician occupations were draftsmen (16 percent), and surveyors (6 percent). Clerical workers—mostly secretaries, stenographers, and typists—were 17 percent of total, and managers made up another 6 percent.

Changes in occupational structure projected for this industry include a significant increase for engineers premised on a relatively rapid growth of research and development work in this industry. A sharp drop in proportionate employment of architects between 1950 and 1960 was shown by the censuses for those years. This trend was modified to show a smaller rate of decline in projecting future requirements. Despite the declining proportion, the number of architects required is projected to increase.

Accounting, Auditing, and Bookkeeping Services (SIC 893)

Employment has been growing rapidly and is expected to reach about 305,000 in 1975. A high level of business activity, tax, and other government reporting requirements, and the greater use of accounting information for effective business management are expanding the demand for accounting services.[84]

Accountants and auditors constituted almost 58 percent of total employment in the accounting, auditing, and bookkeeping services industry in 1960. Other occupations having large shares of total employment were bookkeepers (17 percent); secretaries, stenographers, and typists (15 percent); and miscellaneous clerical workers (5 percent). Between the 1950 and 1960 censuses the clerical worker ratio to total employment increased sharply and the ratio for accountants and auditors declined.

After 1960, clerical workers will increase over 80 percent in number, but decrease in proportion because of the use of computers and other improved office equipment. Other occupational patterns will remain relatively stable except for a moderate increase in the proportion of accountants and auditors.

Other Professional and Related Services (SIC 892 and 899)

This industry grouping consists of nonprofit organizations engaged in research or the dissemination of information for public welfare (SIC 892) and of establishments offering professional services not elsewhere classified, including artists' studios, authors, song writers, weather forecasters, and radio commentators (SIC 899).

Employment

Employment in this industry grouping increased more than 55 percent between 1950 and 1960.[85] However, by 1975, employment is expected to practically double and include about 240,000 workers. This increase will primarily be caused by expanded employment requirements of organizations involved in research and information dissemination.

Occupation composition and trends

About two-thirds of all employees in this industry were in the professional, technical, and kindred workers broad occupational group. More than one-fifth were artists or art teachers, and one-tenth were authors or writers. Scientists, engineers, and related technicians were 13 percent of the total. Stenographers, typists, and secretaries accounted for 9 percent of the work force. The residual occupational group, clerical and kindred workers not elsewhere classified, included more than 6 percent of total employment.

By 1975, workers such as technicians and clerical workers are projected to increase in relative importance and artists, athletes, authors, and entertainers to decline as a share of total—even though they will increase in numbers. These changes are expected to result from the more rapid growth of nonprofit and scientific information dissemination organizations than of the other types of activities in this industry.

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[84] In 1965 about 60 percent of the workers in this industry were private wage and salary employees. Almost all the remainder were self-employed.

[85] More than 66 percent of the workers were wages and salary employees. Most of the remainder were self-employed.

Postal Service (SIC 9190)

This industry is the U. S. Post Office Department.

Employment

Postal service employment has been increasing slowly but steadily, reaching 595,000 workers in 1965. Continued employment growth is expected as manpower requirements expand to meet the needs of processing the rising volume of mail.

Occupational composition and trends

In 1960, white-collar workers accounted for almost 92 percent of employment in the Postal Service. Two occupations, mail carriers and postal clerks, made up almost 79 percent of the work force. Other major occupations are postmasters and assistant postmasters (7 percent); and laborers, primarily mail handlers (4 percent).

Several technological changes adopted by the U. S. Post Office Department since the late 1950's are expected to have a greater occupational impact in the late 1960's and early 1970's than in the past. A small decline in the importance of postal clerks, especially those who sort and cancel mail, is expected to result from the increased use of the "ZIP" code system.

The need for mail carriers is expected to increase during the next decade as population grows and city dwellers move into suburban areas. However, this growth will be moderated as more efficient vehicles are used in home mail delivery and more efficient methods are devised to deliver mail to office and apartment buildings. Mail carriers will increase in number but drop slightly in proportion during this period.

Further declines in the proportion of postmasters and assistant postmasters are expected as a result of the anticipated closing of many small post offices. The sharp increase in the number and share for mail handlers (laborers) between 1960 and 1966 has been modified to show a smaller growth in the projection to 1975.

Federal Government Public Administration, Except Postal Service[86] (SIC 9190)

This industry includes only those Federal Government workers involved in performance of public administration activities. Included are all functions unique to government such as legislative and judicial activities, and regulatory agencies. Excluded are workers employed by the Government Printing Office, naval shipyards, veterans hospitals, army ordnance plants, Tennessee Valley Authority, Public Health Service, and many other agencies or parts of agencies involved in activities which have counterparts in private industry. These workers are included in the employment of their respective private industry groups. Also excluded is the U. S. Postal Service for which separate occupational projections have been prepared.

Employment

Since 1950, employment for Federal public administration has grown about 35 percent to a high of 1.3 million workers in 1965. Most of this increase occurred in the Department of Defense, where nearly 6 out of every 10 workers are employed, and which is expected to continue as the major employer during the decade ahead. In recent years the fastest growing agencies were the National Aeronautics and Space Administration, Department of Health, Education and Welfare, Federal Aviation Agency, Department of Interior, and the General Services Administration.

Occupational composition and trends

Because of the broad range of its activities, the Federal Government requires a wide variety of occupational skills. In 1960, white-collar workers made up over 71 percent of the work force. Clerical workers, the largest occupational group, constituted over 43 percent of the industry's workers. Most of them were stenographers, typists, and secretaries (11 percent); or were in the residual clerical workers group, which consisted of many diverse occupations, such as payroll clerk, stock clerk, messenger, file clerk, correspondence clerk, and posting clerk (27 percent). Other major white-collar occupations were managers and officials (8 percent), technicians (4 percent), engineers (3 percent), and accountants and auditors (3 percent).

Most of the workers in the craftsmen, operative, and laborer occupational group were employed by the Department of Defense and were engaged in operating and maintaining the Nation's vast complex defense system. In 1960, important blue-collar occupations were mechanics and repairmen (6 percent); laborers (4 percent); and operatives n. e. c., which included workers such as forklift and tow truck operators, packers, and stationary firemen (4 percent). Service workers, including investigators such as FBI and Treasury agents, and building guards and watchmen made up 5 percent of employment in this group.

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[86] Additional information about the effects of technological change can be found in BLS Bulletin 1364 (1963), Impact of Office Automation in the Internal Revenue Service. (Presently out of print, but available in libraries.)

Although numerous new programs are being undertaken by the Federal Government, only minor changes in the occupational structure are expected to result from them. Two factors tend to minimize the effects of new programs. The present high level of employment, together with the occupational diversity of the work force, generally absorbs even large changes in program emphasis without translating them into major shifts in the government's occupational structure. Second, in many instances, the employment required to carry out the new program is generated in outside industries. Example of these are the "War on Poverty" and "Medicare" programs. The "War on Poverty" will cause substantial increases in employment in State and local governments, educational services, and private nonprofit organizations; the major impact of "Medicare" will be concentrated in hospitals and other medical facilities.

One program, however, that is expected to cause structure changes during 1960–75, is space exploration. Although it makes up less than 3 percent of the government's work force, the NASA program requires a very high proportion of specialized engineers and technicians. The rapid expansion of space exploration during the 1960's, together with the growing emphasis being placed on research and development throughout the Federal Government, will result in an increase in the proportions of scientists, engineers, and technicians. Additional significant changes in the occupational structure are expected to result from rapid expansion in the use of electronic data processing equipment during the 1960's and 1970's. Currently the Federal Government is the largest single user of computers; it operated over 2400 units in 1966. Although decreasing in numbers, card punch units are also used widely. The computers perform a broad range of tasks such as payroll preparation, inventory control, income tax return processing, missile tracking, pension and disability payment preparation, recordkeeping, the numerical analysis of scientific and engineering problems, and many other routine tabulating and data collecting operations. The importance of the workers operating computers and their related equipment, such as programers and systems analysts (professional n. e. c.), and console operators (office machine operators) will rise sharply between 1960 and 1975. The growth in the proportion of keypunch operators will be moderated by the decline in the older punch card systems, in which their requirements are relatively higher, and by the anticipated growing use of optical scanning devices. The ratio of office machine operators as a group will decrease as the use of computers eliminates the need for many calculating, tabulating, and other desk office machines.

Although the number of air traffic controllers will increase substantially in the immediate future, their proportion is expected to decline by 1975. New electronic control equipment will make it possible to handle the growth in aircraft traffic without proportionate increases in the number of these workers.

The requirements of managers and officials, especially those concerned with computer systems administration, budget administration, financial institution examination, and food inspection are expected to grow as the broadening scope and increasing complexity of Federal Government activities create a greater need for management personnel.

Among blue-collar workers, diverse trends are expected. Requirements for nearly all the highly skilled maintenance and repair occupations will increase, particularly in the Department of Defense, to install and maintain the wide variety of equipment needed in the national defense system. However, the proportion of automobile mechanics is expected to decline because of the growing practice of contracting out major automobile repair work to private firms. Similarly, the proportion of service workers, such as janitors, charwomen, and cleaners, is expected to decrease, as a result of the trend towards contracting for building maintenance services.

Operatives and laborers will make up a smaller part of the work force. This tendency will result largely from improvements in material movement equipment, increasing use of computer inventory control systems, and the proposed deactivation of additional military bases where many of these workers are employed.

State and Local Public Administration (SIC 9290 and 9390)

This major grouping includes only those State and local government workers involved in the performance of public administration activities. Included are functions unique to government, such as the legislative and judicial activities, fire and police protection, public assistance and welfare programs, motor vehicle regulation, and financial administration. Excluded are workers involved in industry type activities such as water and sanitary departments, local transit, highway construction and maintenance, and educational services; and all others performing activities which have counterparts in private industry. These workers are classified in their respective private industry groups.

Employment

In 1965, about 1.2 million persons were employed in local government public administration and 561,000 in State government public administration. Employment in both State and local public administration has been rising rapidly in response to increasing population and expanding government programs. Between 1965 and 1975, these trends are expected to continue, and as a result employment in State and local public administration will continue to grow rapidly.

Occupational composition and trends

In 1960, white-collar and service workers made up over 88 percent of the employment in State and local public administration. In State government, the most important occupations were stenographers, typists, and secretaries (13 percent); managers and officials (12 percent); guards and watchmen (7 percent); policemen and detectives (6 percent); and social and welfare workers (5 percent). Accountants and auditors, librarians, and personnel and labor relations workers together were 4 percent. One person in five was in the residual occupation clerical and kindred workers n. e. c.

In local government, almost 45 percent were service workers. Over one-half of these were policemen and detectives and more than three-tenths were firemen. Other important occupations were managers and officials (11 percent); stenographers, typists, and secretaries (7 percent); laborers (5 percent); and social and welfare workers (4 percent). One person in nine was in the residual group clerical and kindred workers n. e. c.

The occupational structures in State and local public administration will not change rapidly during 1960–75. Computers are expected to play an increasingly important role in the performance of many governmental functions such as motor vehicle registration and licensing, payroll preparation, pension and welfare payments, and tax collection and financial administration. This trend will result in significant increases in computer-related occupations, such as programers, systems analysts, keypunch operators, and office machine operators. Conversely, the proportions of certain clerical occupations, such as accounting, bookkeeping or routine clerical functions including posting and filing, will decline as computers perform these activities.

Employment of social and welfare workers (e. g., counselors, case workers, and parole and probation officers) will grow as added emphasis is placed upon welfare, training, guidance, and rehabilitation programs.

The requirements for policemen and other law enforcement officers are expected to grow considerably as traffic regulation problems and the volume of crime continue to increase with population growth and greater urbanization.

Little change is expected in the ratios of the other major occupations.

Appendix A

Comparability of Occupational Titles in BLS Tables of Occupational
Composition of Industry Employment with
Census Occupational Categories

Occupational Titles in BLS Tables	Comparable Census Occupational Categories
Professional, technical, and kindred	Same
Engineers, aeronautical	Same
Engineers, chemical	Same
Engineers, civil	Same
Engineers, electrical	Same
Engineers, industrial	Same
Engineers, mechanical	Same
Engineers, metallurgical, etc.	Same
Engineers, mining	Same
Other engineers, technical	Sales engineers, plus engineers, not elsewhere classified.
Chemists	Same
Agricultural scientists	Agricultural scientists plus part of foresters and conservationists.
Biological scientists	Same
Geologists and geophysicists	Same
Mathematicians	Same
Physicists	Same
Other natural scientists	Same
Draftsmen	Same
Surveyors	Same
Air traffic controllers	Same
Radio operators	Radio operator
Technicians, other	Technicians, electrical and electronic, technicians, other engineering, and physical science and technicians, other.
Dentists	Same
Dietitians and nutritionists	Same
Nurses, professional	Same
Optometrists	Same
Osteopaths	Same
Pharmacists	Same
Physicians and surgeons	Same
Psychologists	Same
Technicians, medical, and dental	Same
Veterinarians	Same
Other medical, health workers	Chiropractors, therapists, and nurses, student professional.
Teachers, college	Part of college presidents, professors, and instructors (not elsewhere classified).
Teachers, elementary	Same
Teachers, secondary	Same
Teachers, other	Same
Economists	Same
Statisticians and actuaries	Same
Other social scientists	Miscellaneous social scientists
Accountants and auditors	Same
Airplane pilots and navigators	Same
Architects	Same
Workers in the arts and entertainment	Includes actors, actresses, artists, and art teachers; athletes; authors; dancers and dance teachers; entertainers, not elsewhere classified; musicians and music teachers; and sports instructors and officials.
Clergymen	Same
Designers, except design draftsmen	Same
Editors and reporters	Same
Lawyers and judges	Same
Librarians	Same
Personnel and labor relations workers	Same
Photographers	Same
Social and welfare workers	Same
Professional and technical workers, not elsewhere classified	Includes part of college teachers, farm and home management advisors; part of foresters and conservationists; funeral directors and embalmers; public relations and publicity writers; recreation and group workers; religious workers; and professional, technical, and kindred, not elsewhere classified.

Comparability of Occupational Titles in BLS Tables of Occupational Composition of Industry Employment with Census Occupational Categories—Continued

Occupational Titles in BLS Tables	Comparable Census Occupational Categories
Managers, officials, and proprietors	Same
Conductors, railroad	Same
Credit men	Same
Officers, pilots, engineers, ship	Officers, pilots, pursers and engineers, ship.
Postmasters and assistant postmasters	Same
Purchasing agents	Purchasing agents and buyers, not elsewhere classified.
Managers, officials, and proprietors, not elsewhere classified	Includes buyers and department heads, store; buyers and shippers, farm products; floor men and floor managers, store; inspectors, public administration; managers and superintendents, building; officials and administrators, not elsewhere classified, public administration; officials, lodge, society, union, etc.; and managers, officials, and proprietors, not elsewhere classified.
Clerical and kindred workers	Same
Stenographer, typists, and secretaries	Stenographers; typists; and secretaries (three titles).
Office machine operators	Same
Accounting clerks	Part of bookkeepers.
Bookkeepers, hand	Part of bookkeepers.
Bank tellers	Same
Cashiers	Same
Mail carriers	Same
Postal clerks	Same
Shipping and receiving clerks	Same
Telephone operators	Same
Clerical and kindred workers, not elsewhere classified	Includes agents not elsewhere classified, attendants, physician's and dentist's office; baggagemen, transportation; collectors, bill and account; dispatchers and starters, vehicles; express messengers and railway mail clerks; file clerks; insurance adjusters, examiners and investigators; messengers and office boys; payroll and timekeeping clerks; receptionists; stock clerks and storekeepers; telegraph messengers; telegraph operators; ticket, station, and express agents; and clerical and kindred, not elsewhere classified.
Sales workers	Same
Craftsmen, foremen, and kindred workers	Same
Carpenters	Same
Brickmasons and tile setters	Same
Cement and concrete finishers	Same
Electricians	Same
Excavating, grading machinery operators	Same
Painters and paperhangers	Painters, construction and maintenance; and paperhangers (two titles).
Plasterers	Same
Plumbers and pipefitters	Same
Roofers and slaters	Same
Structural metalworkers	Same
Foremen, not elsewhere classified	Same
Machinists and related occupations	Machinists; and job setters, metal (two titles).
Blacksmiths, forge, hammermen	Blacksmiths; and forgemen and hammermen (two titles).
Boilermakers	Same
Heat treaters, annealers	Same
Millwrights	Same
Molders, metal (except coremakers)	Same
Patternmakers, metal and wood	Same
Rollers and roll hand	Same
Sheet metal workers	Tinsmiths, coppersmiths, and sheet metal workers.
Toolmakers and diemakers	Toolmakers, and diemakers and setters.
Compositors and typesetters	Same
Electrotypers and stereotypers	Same
Engravers, except photoengravers	Same
Photoengravers and lithographers	Same
Pressmen and plate printers	Same
Linemen and servicemen	Same
Locomotive engineers	Same
Locomotive firemen	Same
Airplane mechanics and repairmen	Same
Motor vehicle mechanics	Same
Office machine mechanics	Same

Comparability of Occupational Titles in BLS Tables of Occupational Composition of Industry Employment with Census Occupational Categories—Continued

Occupational Titles in BLS Tables	Comparable Census Occupational Categories
Craftsmen, foremen, and kindred workers—Continued	
Radio and television mechanics	Same
Railroad and car shop mechanics	Same
Other mechanics and repairmen	Same
	Air-conditioning, heating and refrigeration mechanics; and mechanics and repairmen, not elsewhere classified (two titles).
Bakers	Same
Cabinetmakers	Same
Cranemen, derrickmen, hoistmen	Same
Glaziers	Same
Jewelers and watchmakers	Same
Loom fixers	Same
Opticians, lens grinders	Same
Inspectors, log and lumber	Same
Inspectors, other	Same
Upholsterers	Same
Craftsmen and kindred workers, not elsewhere classified	Bookbinders; furriers; decorators and window dressers; millers; motion picture projectionists; piano and organ tuners and repairmen; shoemakers and repairers, except factory; stationary engineers, stone cutters and stone carvers; and craftsmen and kindred workers, not elsewhere classified.
Operatives and kindred workers	Same
Drivers, bus, truck, tractor	Busdrivers; and truck and tractor drivers (two titles).
Deliverymen and routemen	Deliverymen and routemen; and taxicab drivers and chauffeurs (two titles).
Brakemen and switchmen, railroad	Brakemen and switchmen (two titles).
Power station operators	Same
Sailors and deck hands	Same
Furnacemen, smelterers, pourers	Same
Heaters, metal	Same
Welders and flame cutters	Same
Assemblers, metalworking, class A	Part of assemblers. Same
Assemblers, metalworking, class B	Part of assemblers.
Inspectors, metalworking, class B	Part of checkers, examiners, and inspectors, manufacturing.
Machine tool operators, class B	Part of operatives, not elsewhere classified.
Electroplaters	Part of operatives, not elsewhere classified.
Electroplaters' helpers	Part of operatives, not elsewhere classified.
Knitters, loopers and toppers	Same
Spinners, textile	Same
Weavers, textile	Same
Sewers and stitchers, manufacturing	Same
Asbestos, insulation workers	Same
Attendants, auto service, parking	Same
Blasters and powdermen	Same
Laundry, drycleaning operatives	Same
Meat cutters, except meat packing	Same
Mine operatives, laborers, not elsewhere classified	Same
Other operatives and kindred workers not elsewhere classified	Includes apprentices; part of assemblers; boatmen, canalmen, and lock keepers; chainmen, rodmen, and axmen, surveying; part of checkers, examiners, and inspectors, manufacturing; conductors, bus and street railway; dressmakers and seamstresses, except factory; dyers; filers, grinders and polishers, metal; fruit, nut, and vegetable graders and packers, except factory; graders and sorters; manufacturing; milliners; motormen, mine, factory, logging camp, etc.; motormen, street, subway, and elevated railway; oilers and greasers, except auto; packers and wrappers, not elsewhere classified; painters, except construction and maintenance; photographic process workers; sawyers; stationary firemen; and part of operatives and kindred workers, (not elsewhere classified).
Service workers	Same
Private household workers	Same
Firemen	Firemen, fire protection
Guards, watchmen, and doorkeepers	Guards, watchmen, and doorkeepers; and watchmen (crossing) and bridge tenders.

Comparability of Occupational Titles in BLS Tables of Occupational Composition of Industry Employment with Census Occupational Categories—Continued

Occupational Titles in BLS Tables	Comparable Census Occupational Categories
Service workers—Continued	
Policemen and other law enforcement officials	Marshals and constables; policemen and detectives; and sheriffs and bailiffs.
Bartenders	Same
Cooks, except private household	Same
Counter and fountain workers	Same
Waiters and waitresses	Same
Airline stewards and stewardesses	Part of housekeepers and stewards, except private household.
Attendants, hospital, and other institutions	Same
Charwomen and cleaners	Same
Janitors and sextons	Same
Practical nurses	Same
Other service workers, not elsewhere classified	Attendants, professional and personal services, not elsewhere classified; attendants, recreation and amusement; barbers; boarding and lodging housekeepers; bootblacks; chambermaids and maids, except private household; elevator operators; hairdressers and cosmetologists; part of housekeepers and stewards, except private household; kitchenworkers, not elsewhere classified, except household; midwives; porters; ushers, recreation and amusement; and service workers, except private household, not elsewhere classified.
Laborers, except farm	Same
Farmers and farm workers	Farmers and farm managers, and farm laborers, and foremen.

Appendix B

Estimated Number of Private Wage and Salary Workers and Primary Jobs of all Employed Persons in Each Industry, 1960 and 1975

Industry	SIC codes	Wage and salary workers [1] (in thousands)		Primary jobs of all employed persons [2] (in thousands)	
		1960	1975	1960	1975
All industries		([3])	([3])	66,681	88,660
Agriculture	01-07	([3])	([3])	5,723	3,745
Forestry	08	([3])	([3])	48	70
Fisheries	09	([3])	([3])	45	60
Mining	10-14	712	620	723	640
Metal mining	10	94	85	94	85
Coal mining	11, 12	186	110	186	110
Crude petroluem and natural gas	13	309	280	318	295
Nonmetallic minerals, except fuels	14	123	145	125	150
Construction	15-17	2,885	4,190	4,068	5,675
Durable good manufacturing	19, 24, 25, 32-39	9,462	11,480	9,749	11,995
Lumber and wood products, except furniture	24	627	550	688	615
Logging camps and logging contractors	241	91	75	128	110
Sawmills, millwork and miscellaneous wood products	242-249	536	475	560	505
Furniture and fixtures	25	383	510	395	535
Stone, clay, and glass products	32	605	655	614	675
Glass and glass products	321-323	157	175	157	180
Cement, concrete, gypsum, and plaster products	324, 327	203	235	209	245
Structural clay products	325	76	70	77	70
Pottery and related products	326	47	45	47	45
Miscellaneous nonmetallic products	328, 329	122	130	124	135
Primary metal industries	33	1,232	1,290	1,230	1,310
Blast furnaces, steel works, and rolling mills	3312, 3313	592	575	589	585
Other primary iron and steel	3315-3317, 332, 3391, 3399	318	350	318	355
Primary nonferrous metals	333-336, 3392	322	365	323	370
Fabricated metal products and ordnance	34, 19 exc. 194	1,298	1,700	1,362	1,830
Cutlery, hand tools, and general hardware	342	135	160	136	165
Fabricated structural metal products	344	340	405	348	420
Miscellaneous fabricated metal products	19 exc. 194 341, 343, 345-349	823	1,135	878	1,245
Machinery, except electrical	35	1,479	2,050	1,499	2,110
Farm machinery and equipment	352	112	155	113	160
Office, computing and accounting machines	357	147	270	147	275
All other machinery	351, 353-356, 358, 359	1,220	1,625	1,239	1,675
Electrical machinery, equipment, and supplies	36	1,467	2,000	1,465	2,035
Transportation equipment	37	1,587	1,730	1,684	1,840
Motor vehicles and equipment	371	724	790	723	805
Aircraft and parts	372	646	585	645	595
Ship and boatbuilding and repair	373	141	230	240	315
Railroad and other transportation equipment	374-379	76	125	76	125
Instruments and fire control equipment	194, 381-387	394	520	403	540
Instruments and fire control equipment	194, 381-386	366	480	374	500
Watches and clocks	387	28	40	29	40
Miscellaneous manufacturing industries	39	390	475	409	505
Nondurable goods manufacturing	20-23, 26-31	7,336	8,240	7,558	8,630
Food and kindred products	20	1,790	1,665	1,813	1,710
Meat products	201	322	280	324	285
Dairy products	202	316	260	319	265
Canning and preserving	203	246	300	246	305
Grain-mill products	204	131	110	132	110
Bakery products	205	301	240	314	260
Beverage industries	208	217	220	219	225
All other food products	206, 207, 209	257	255	259	260
Tobacco manufactures	21	94	80	93	80
Textile mill products	22	924	880	919	890

See footnotes at end of table.

Estimated Number of Private Wage and Salary Workers and Primary Jobs of all Employed Persons in Each Industry, 1960 and 1975—Continued

Industry	SIC codes	Wage and salary workers [1] (in thousands)		Primary jobs of all employed persons [2] (in thousands)	
		1960	1975	1960	1975
Nondurable goods—Continued					
Apparel and related products	23	1,233	1,525	1,241	1,550
Paper and allied products	26	601	775	597	790
Pulp, paper and paperboard mills	261-263, 266	292	300	289	305
Converted paper and paperboard products	264	132	215	132	220
Paperboard containers and boxes	265	177	260	176	265
Printing, publishing, and allied products	27	911	1,100	1,114	1,365
Chemicals and allied products	28	828	1,125	833	1,140
Synthetic fibers	2823, 2824	71	120	70	120
Drugs	283	109	175	108	175
Paints, varnishes, and allied products	285	63	85	63	85
Miscellaneous chemicals	281, 2821, 2822 284, 286, 287, 289	585	745	592	760
Petroleum refining and related industries	29	212	160	210	160
Petroleum refining	291	177	130	176	130
Other petroleum coal products	295, 299	35	30	34	30
Rubber and miscellaneous plastics products	30	379	580	377	590
Rubber products	301-303, 306	258	310	255	315
Miscellaneous plastics products	307	121	270	122	275
Leather and leather products	31	364	350	361	355
Leather tanning and finishing	311	34	20	33	20
Footwear, except rubber	313, 314	260	240	257	245
Other leather products	312, 315-319	70	90	71	90
Transportation, communications, and public utilities	40-49	4,004	4,580	4,538	5,390
Railroad transportation	40	885	810	869	790
Other transportation	41-47	1,665	2,125	1,907	2,385
Local and suburban transit	411, 413-417	164	170	238	255
Taxicabs	412	121	105	143	120
Motor freight transportation	421, 423	771	1,080	889	1,180
Warehousing	422	85	75	93	80
Water transportation	44	235	215	223	220
Transportation by air	45	191	325	206	355
Pipeline transportation	46	23	20	24	20
Transportation services	47	75	135	91	155
Communications	48	839	1,020	832	1,010
Telephone	481	706	865	697	855
Telegraph and communication services	482, 489	41	35	42	35
Radio broadcasting and television	483	92	120	93	120
Other public utilities	49	615	625	930	1,205
Electric, gas and steam companies and systems	491, 493, 496	583	570	643	680
Water supply and irrigation system	494, 497	11	20	119	165
Sanitary services	495	21	35	168	360
Wholesale trade	50	3,004	4,135	3,199	4,405
Motor vehicles and automotive equipment	501	215	370	229	395
Drugs, chemicals, and allied products	502	180	250	183	260
Dry goods and apparel	503	130	170	138	180
Groceries and related products	504	494	515	523	545
Electrical goods, hardware, plumbing and heating equipment	506, 507	357	530	367	550
Machinery, equipment and supplies	508	480	825	508	875
Raw farm products and miscellaneous wholesalers	505, 509	1,148	1,475	1,251	1,600
Retail trade	52-59	8,388	11,980	10,166	14,050
Building materials, hardware, and farm equipment	52	553	585	662	700
Limited price variety stores	533	328	330	338	345
Other general merchandise	53 exc. 533	1,240	2,280	1,275	2,390
Food	54	1,356	1,875	1,790	2,255

See footnotes at end of table.

Estimated Number of Private Wage and Salary Workers and Primary Jobs of all Employed Persons in Each Industry, 1960 and 1975—Continued

Industry	SIC codes	Wage and salary workers [1] (in thousands)		Primary jobs of all employed persons [2] (in thousands)	
		1960	1975	1960	1975
Retail trade—Continued					
Gasoline service stations	554	461	625	665	865
Automotive dealers	55 exc. 554	807	1,120	883	1,210
Apparel and accessories	56	619	710	712	795
Furniture, home furnishings, and equipment	57	400	455	514	605
Eating and drinking places	58	1,654	2,600	2,014	2,960
Drug stores and proprietary stores	591	368	530	417	585
Other miscellaneous retail stores	59 exc. 591	602	870	896	1,340
Finance, insurance, and real estate	60-67	2,670	3,725	2,852	3,980
Banking and credit agencies	60,61	934	1,570	944	1,595
Brokers and investment companies	62,67	135	205	145	220
Insurance	63,64	1,028	1,245	1,083	1,320
Real estate	65,66	573	705	680	845
Private household services	88	(3)	(3)	2,554	3,175
Other service industries	70-86, 88	6,917	12,170	12,240	21,705
Hotels and lodging places	70	565	820	681	1,020
Laundries, cleaning, dyeing and garment repair	721,727	549	605	664	735
Other personal services	722-726, 729	345	520	743	1,125
Advertising	731	109	125	119	135
Other business services	73 exc. 731	649	1,640	750	1,905
Automobile repairs, services, and garages	75	259	400	404	580
Miscellaneous repair services	76	136	205	282	375
Theaters, motion pictures, and producers	78, 792	228	245	197	230
Other amusement and recreation services	79 exc. 792	301	590	307	605
Hospitals	806	1,131	2,200	1,808	3,375
Other medical and health services	80 exc. 806	518	1,200	969	1,975
Legal services	81	144	265	292	455
Educational services and museums	82, 84	747	1,435	3,580	6,835
Nonprofit membership organizations	861-865, 869	311	400	304	390
Religious and charitable organizations	866, 867	568	825	640	970
Engineering and architectural services	891	190	350	243	450
Accounting, auditing, and bookkeeping services	893	98	185	160	305
Miscellaneous professional services	892, 899	69	160	97	240
Public administration	91-93	-	-	3,218	5,140
Post office	910	-	-	570	810
Other Federal	91 exc. 910	-	-	1,260	1,540
State	92	-	-	417	910
Local	93	-	-	971	1,880

[1] Establishment data.
[2] Adjusted household data.
[3] Not available.

Appendix C

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES TOTAL		AGRICULTURE		FORESTRY		FISHERIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	11.21	14.58	1.01	2.39	.61	1.44	46.11	51.67	3.46	4.29
ENGINEERS,TECHNICAL	1.21	1.64	.02	.06	.01	.01	1.44	2.41	.13	.11
ENGINEERS,AERONAUTICAL	.07	.08	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.06	.07	.00	.00	.00	.00	.03	.07	.00	.00
ENGINEERS,CIVIL	.22	.28	.01	.04	.00	.00	1.06	1.58	.13	.11
ENGINEERS,ELECTRICAL	.26	.36	.00	.00	.00	.00	.03	.01	.00	.00
ENGINEERS,INDUSTRIAL	.12	.19	.00	.00	.00	.00	.03	.05	.00	.00
ENGINEERS,MECHANICAL	.23	.29	.00	.00	.00	.00	.05	.05	.00	.00
ENGINEERS,METALLURG,ETC	.03	.04	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.02	.02	.00	.00	.00	.00	.03	.03	.00	.00
OTHER ENGINEERS,TECHNICAL	.20	.31	.01	.01	.01	.01	.21	.21	.00	.00
NATURAL SCIENTISTS	.35	.52	.18	.44	.05	.12	13.16	15.86	1.69	2.38
CHEMISTS	.14	.20	.02	.03	.01	.02	.06	.14	.01	.02
AGRICULTURAL SCIENTISTS	.04	.06	.13	.35	.03	.08	12.24	14.87	.06	.17
BIOLOGICAL SCIENTISTS	.04	.07	.03	.07	.01	.02	.60	.69	1.82	2.19
GEOLOGISTS,GEOPHYSICISTS	.03	.03	.00	.00	.00	.00	.01	.01	.00	.00
MATHEMATICIANS	.03	.06	.00	.00	.00	.00	.04	.04	.00	.00
PHYSICISTS	.04	.07	.00	.00	.00	.00	.01	.01	.00	.00
OTHER NATURAL SCIENTISTS	.03	.04	.00	.00	.00	.00	.19	.09	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	1.10	1.60	.10	.36	.08	.29	2.51	4.29	.01	.09
DRAFTSMEN	.35	.42	.00	.01	.00	.00	.34	.74	.00	.00
SURVEYORS	.07	.09	.01	.02	.00	.00	.79	1.31	.00	.00
AIR TRAFFIC CONTROLLERS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.03	.03	.00	.00	.00	.00	.09	.09	.00	.00
TECHNICIANS,OTHER	.64	1.04	.09	.32	.08	.29	1.30	2.15	.01	.09
MEDICAL,OTHER HEALTH WORKERS	1.98	2.53	.26	.50	.26	.52	.00	.00	.00	.00
DENTISTS	.13	.14	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.74	.97	.00	.00	.00	.00	.00	.00	.00	.00
OPTOMETRISTS	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.17	.14	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.33	.42	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.21	.44	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.03	.03	.25	.50	.26	.52	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.26	.25	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	2.92	3.45	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,ELEMENTARY	1.47	1.39	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.50	1.24	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.31	.51	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.24	.31	.00	.00	.00	.00	.00	.00	.00	.00
SOCIAL SCIENTISTS	.07	.09	.00	.00	.00	.00	.13	.13	.04	.02
ECONOMISTS	.03	.03	.00	.00	.00	.00	.09	.08	.00	.00
STATISTICIANS + ACTUARIES	.03	.04	.00	.00	.00	.00	.04	.05	.04	.02
OTHER SOCIAL SCIENTISTS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	3.58	4.75	.45	1.03	.20	.49	28.86	28.99	1.35	1.69
ACCOUNTANTS AND AUDITORS	.64	.74	.02	.04	.01	.03	.48	.67	.08	.14
AIRPLANE PILOTS,NAVIGATORS	.04	.06	.03	.08	.03	.08	.17	.35	.00	.00
ARCHITECTS	.05	.05	.00	.00	.00	.00	.08	.18	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.70	.67	.08	.15	.08	.15	.09	.11	.00	.00
CLERGYMEN	.30	.27	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.10	.13	.01	.04	.01	.03	.18	.41	.00	.00
EDITORS AND REPORTERS	.15	.14	.00	.00	.00	.00	.04	.04	.00	.00
LAWYERS AND JUDGES	.34	.36	.00	.00	.00	.00	.18	.23	.00	.00
LIBRARIANS	.12	.15	.00	.00	.00	.00	.13	.21	.00	.00
PERSONNEL AND LAB REL WRKS	.15	.22	.00	.00	.00	.00	.09	.13	.00	.00
PHOTOGRAPHERS	.08	.06	.00	.00	.00	.00	.00	.00	.00	.00
SOCIAL AND WELFARE WORKERS	.16	.25	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.75	1.44	.31	.70	.07	.20	27.42	26.66	1.31	1.56
MANAGERS,OFFICIALS,PROPRIETORS	10.60	10.19	.54	.98	.44	.79	5.64	4.55	7.59	8.45
CONDUCTORS,RAILROAD	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.07	.10	.00	.00	.00	.00	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.05	.04	.02	.06	.00	.00	.11	.15	2.98	3.46
POSTMASTERS AND ASSISTANTS	.06	.04	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.17	.19	.01	.01	.00	.00	.34	.28	.05	.04
MANAGERS,OFFICE,PROP. NEC	10.17	9.78	.50	.52	.43	.79	5.19	4.12	4.55	4.94

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES TOTAL		AGRICULTURE		FORESTRY		FISHERIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	14.67	16.65	.57	.96	.49	.75	9.44	10.22	1.46	3.06
STENOS, TYPISTS,SECRETARIES	3.58	4.40	.16	.30	.12	.22	3.91	4.06	.37	.65
OFFICE MACHINE OPERATORS	.56	.79	.01	.01	.00	.00	.19	.27	.04	.13
OTHER CLERICAL,KINDRED WRKRS	10.53	11.46	.41	.65	.36	.53	5.35	5.89	1.05	2.28
ACCOUNTING CLERKS	.57	.53	.02	.04	.02	.04	.08	.04	.03	.09
BOOKKEEPERS,HAND	1.00	1.01	.14	.01	.14	.00	.55	.52	.18	.19
BANK TELLERS	.19	.30	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.72	1.10	.01	.00	.01	.00	.00	.00	.00	.00
MAIL CARRIERS	.31	.33	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.36	.38	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.49	.41	.01	.00	.01	.00	.00	.00	.00	.00
TELEPHONE OPERATORS	.53	.51	.00	.00	.00	.00	.04	.04	.00	.00
CLERICAL AND KINDRED,NEC	6.35	6.89	.23	.60	.19	.49	4.68	5.30	.84	2.00
SALES WORKERS	6.60	6.66	.15	.25	.14	.23	.29	.19	.76	1.41
CRAFTSMEN,FOREMEN AND KINDRED	12.84	12.81	.48	1.35	.42	1.20	6.50	7.96	1.94	2.96
CONSTRUCTION CRAFTSMEN	3.83	3.50	.14	.36	.12	.34	1.19	1.19	.53	.59
CARPENTERS	1.25	1.02	.07	.22	.07	.21	.32	.32	.34	.37
BRICKMASONS AND TILE SETRS	.28	.26	.00	.03	.00	.03	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.07	.08	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.54	.51	.00	.00	.00	.00	.09	.10	.04	.05
EXCAVATNG,GRADNG MACH OPER	.37	.38	.04	.06	.03	.05	.74	.73	.00	.00
PAINTERS AND PAPERHANGERS	.62	.51	.01	.04	.01	.04	.04	.03	.11	.08
PLASTERERS	.07	.07	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.46	.48	.00	.00	.00	.00	.00	.00	.04	.09
ROOFERS AND SLATERS	.07	.08	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.10	.12	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	1.71	1.86	.10	.30	.08	.26	1.98	2.37	.34	.53
METALWKNG CRAFTS EXC MECH	1.62	1.36	.01	.00	.01	.00	.25	.23	.04	.04
MACHINISTS AND RELATED OCC	.74	.57	.01	.00	.00	.00	.21	.16	.04	.04
BLKSMITHS,FORGMN,HAMMERMEN	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.10	.10	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.08	.06	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.06	.06	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.05	.04	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.20	.21	.00	.00	.00	.00	.04	.07	.00	.00
TOOLMAKERS AND DIEMAKERS	.27	.25	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.45	.37	.00	.00	.00	.00	.00	.00	.00	.00
COMPOSITORS,TYPESETTERS	.27	.17	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROTYPERS,STEREOTYPERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.04	.06	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.11	.11	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.56	.52	.00	.00	.00	.00	.08	.13	.00	.00
LINEMEN AND SERVICEMEN	.43	.45	.00	.00	.00	.00	.08	.13	.00	.00
LOCOMOTIVE ENGINEERS	.07	.06	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.06	.01	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.02	3.58	.19	.58	.17	.53	2.24	2.87	.58	1.12
AIRPLANE MECH AND REPAIRMN	.17	.16	.01	.03	.01	.03	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	1.02	1.06	.02	.05	.02	.05	.25	.17	.00	.00
OFFICE MACHINE MECHANICS	.08	.12	.00	.00	.00	.00	.00	.00	.04	.00
RADIO AND TV MECHANICS	.15	.16	.00	.01	.00	.00	.21	.30	.00	.00
RR AND CAR SHOP MECHANICS	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.55	2.04	.17	.50	.15	.45	1.78	2.40	.53	1.12

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES TOTAL		AGRICULTURE		FORESTRY		FISHERIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	1.64	1.62	.05	.11	.04	.08	.76	1.17	.45	.68
BAKERS	.15	.11	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.10	.08	.00	.00	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.19	.19	.00	.00	.00	.00	.00	.00	.04	.13
GLAZIERS	.02	.03	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.06	.04	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.03	.03	.00	.01	.00	.00	.42	.68	.00	.00
INSPECTORS,OTHER	.14	.16	.01	.03	.01	.03	.00	.00	.04	.10
UPHOLSTERERS	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.80	.82	.03	.06	.02	.05	.34	.48	.38	.45
OPERATIVES AND KINDRED WORKERS	17.58	16.70	1.76	3.15	1.73	3.00	5.54	7.58	3.98	7.64
DRIVERS AND DELIVERYMEN	3.56	3.58	1.12	1.96	1.11	1.94	2.74	3.41	.59	1.30
DRIVERS,BUS,TRUCK,TRACTOR	2.66	2.62	1.07	1.87	1.07	1.86	2.74	3.41	.53	1.09
DELIVERYMEN AND ROUTEMEN	.50	.55	.05	.08	.05	.08	.00	.00	.06	.21
TRANSP AND PUB UTIL OPERATVS	.23	.18	.00	.00	.00	.00	.00	.00	.09	.11
BRAKEMEN AND SWITCHMEN RR	.15	.12	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.05	.03	.00	.00	.00	.00	.00	.00	.09	.11
SEMISKILLED METALWORKING OCC	2.18	2.06	.01	.02	.01	.02	.03	.00	.00	.00
FURNACEMN,SMELTRMN,POURERS	.08	.06	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.53	.65	.01	.02	.01	.02	.03	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.15	.16	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.70	.61	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.27	.24	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.39	.29	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	1.17	1.06	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.07	.05	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.07	.03	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.09	.05	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.94	.93	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	10.83	9.82	.65	1.17	.61	1.03	2.76	4.17	3.30	6.22
ASBESTOS,INSULATION WRKS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.57	.59	.00	.00	.00	.00	.03	.03	.00	.00
BLASTERS AND POWDERMEN	.01	.01	.00	.00	.00	.00	.03	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.59	.51	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.28	.25	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.42	.23	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	8.93	8.21	.65	1.17	.61	1.03	2.70	4.14	3.30	6.22
SERVICE WORKERS	12.52	14.37	.23	.38	.21	.34	1.36	1.47	1.00	1.41
PRIVATE HOUSEHOLD WORKERS	3.32	3.05	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	1.15	1.33	.04	.05	.03	.03	.73	.72	.04	.04
FIREMEN	.22	.28	.00	.00	.00	.00	.09	.24	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.50	.47	.04	.04	.03	.03	.64	.49	.04	.04
POLICE,OTH LAW ENFORCE OFF	.43	.58	.00	.00	.00	.00	.00	.00	.00	.00
FOOD SERVICE WORKERS	2.60	2.98	.06	.09	.05	.07	.40	.24	.75	1.23
BARTENDERS	.26	.26	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.84	.97	.06	.09	.05	.07	.36	.20	.75	1.23
COUNTER AND FOUNTAIN WKRS	.24	.36	.00	.00	.00	.00	.00	.00	.00	.00
WAITERS AND WAITRESSES	1.27	1.38	.00	.00	.00	.00	.04	.04	.00	.00
OTHER SERVICE WORKERS	5.44	7.01	.12	.24	.12	.23	.22	.51	.21	.15
AIRLINE STEWARDS,STWRDSSES	.02	.04	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.67	1.22	.06	.00	.07	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.30	.42	.00	.00	.00	.00	.04	.07	.00	.00
JANITORS AND SEXTONS	.94	1.11	.01	.00	.01	.00	.09	.23	.04	.04
NURSES,PRACTICAL	.34	.52	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	3.17	3.71	.04	.23	.04	.23	.09	.22	.17	.11
LABORERS,EXCEPT FARM AND MINE	5.50	4.26	2.49	4.04	1.69	2.74	25.13	16.36	79.75	70.79
FARMERS AND FARM WORKERS	8.09	3.78	92.76	86.50	94.27	89.51	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NONMETALLIC MINING AND QUARRYING	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	8.33	11.33	6.57	8.74	1.83	3.24	14.62	18.37	3.25	4.87
ENGINEERS,TECHNICAL	2.70	3.71	2.55	3.15	.73	1.43	4.40	5.66	1.42	1.87
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.27	.33	.06	.08	.01	.04	.51	.56	.18	.25
ENGINEERS,CIVIL	.18	.30	.14	.13	.05	.14	.26	.38	.24	.34
ENGINEERS,ELECTRICAL	.16	.23	.12	.19	.04	.06	.26	.34	.10	.15
ENGINEERS,INDUSTRIAL	.16	.35	.15	.34	.08	.25	.25	.46	.10	.22
ENGINEERS,MECHANICAL	.19	.27	.25	.30	.06	.12	.26	.34	.20	.22
ENGINEERS,METALLURG.ETC	.04	.07	.25	.41	.00	.00	.00	.00	.04	.07
ENGINEERS,MINING	1.48	1.89	1.50	1.67	.49	.76	2.48	3.14	.42	.39
OTHER ENGINEERS,TECHNICAL	.21	.27	.06	.04	.01	.06	.39	.43	.15	.24
NATURAL SCIENTISTS	1.71	2.34	1.21	1.64	.16	.25	3.34	4.37	.22	.30
CHEMISTS	.17	.23	.39	.48	.11	.20	.17	.22	.11	.14
AGRICULTURAL SCIENTISTS	.00	.01	.01	.01	.00	.00	.01	.01	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	1.49	2.04	.80	1.13	.05	.05	3.08	4.00	.10	.16
MATHEMATICIANS	.02	.03	.00	.00	.00	.00	.04	.07	.00	.00
PHYSICISTS	.02	.03	.01	.02	.00	.00	.04	.06	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	2.18	2.84	1.41	1.96	.42	.65	3.96	4.65	.84	1.38
DRAFTSMEN	.78	.85	.30	.30	.14	.13	1.53	1.62	.16	.14
SURVEYORS	.23	.26	.28	.38	.13	.18	.34	.32	.09	.13
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.02	.05	.02	.04	.00	.00	.04	.09	.00	.00
TECHNICIANS,OTHER	1.14	1.69	.81	1.24	.15	.33	2.03	2.62	.57	1.10
MEDICAL,OTHER HEALTH WORKERS	.04	.05	.21	.32	.01	.01	.02	.01	.00	.00
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.02	.08	.11	.01	.01	.00	.00	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.02	.02	.09	.14	.00	.00	.01	.01	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.01	.01	.04	.07	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.02	.03	.01	.01	.01	.02	.03	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.02	.03	.01	.01	.01	.02	.03	.00	.00
SOCIAL SCIENTISTS	.04	.06	.11	.20	.01	.02	.05	.06	.02	.02
ECONOMISTS	.01	.02	.00	.00	.00	.00	.03	.04	.00	.00
STATISTICIANS + ACTUARIES	.03	.03	.08	.12	.01	.02	.02	.02	.02	.02
OTHER SOCIAL SCIENTISTS	.00	.01	.04	.07	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.65	2.31	1.05	1.47	.48	.86	2.84	3.60	.80	1.30
ACCOUNTANTS AND AUDITORS	1.01	1.40	.73	.78	.28	.51	1.78	2.36	.33	.52
AIRPLANE PILOTS,NAVIGATORS	.06	.09	.03	.05	.04	.04	.10	.16	.02	.01
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.03	.00	.00	.00	.00	.02	.05	.02	.04
EDITORS AND REPORTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAWYERS AND JUDGES	.19	.16	.00	.00	.05	.06	.38	.30	.05	.05
LIBRARIANS	.00	.01	.00	.00	.00	.00	.01	.02	.05	.05
PERSONNEL AND LAB REL WRKS	.13	.21	.16	.21	.07	.11	.18	.28	.08	.14
PHOTOGRAPHERS	.01	.02	.00	.00	.00	.00	.03	.04	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.23	.39	.14	.43	.04	.14	.34	.38	.29	.55
MANAGERS,OFFICIALS,PROPRIETORS	9.42	9.93	4.45	3.69	4.35	4.54	13.35	12.89	10.70	11.60
CONDUCTORS,RAILROAD	.00	.00	.03	.02	.00	.00	.00	.00	.00	.00
CREDITMEN	.02	.02	.00	.00	.00	.00	.05	.05	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.10	.12	.00	.00	.00	.00	.19	.21	.11	.09
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.23	.28	.33	.33	.14	.21	.26	.28	.18	.30
MANAGERS,OFFICE,PROF. NEC	9.06	9.51	4.09	3.34	4.21	4.33	12.84	12.35	10.40	11.20

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NONMETALLIC MINING AND QUARRYING	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	8.91	10.58	6.11	6.46	3.75	4.31	13.60	15.48	6.74	7.89
STENOS, TYPISTS,SECRETARIES	2.95	3.90	1.79	2.03	.49	.57	5.43	7.04	1.17	1.24
OFFICE MACHINE OPERATORS	.15	.52	.22	.45	.03	.10	.24	.86	.06	.18
OTHER CLERICAL,KINDRED WRKRS	5.81	6.17	4.10	3.98	3.23	3.64	7.93	7.58	5.52	6.47
ACCOUNTING CLERKS	.43	.45	.22	.17	.27	.36	.58	.61	.43	.33
BOOKKEEPERS,HAND	.69	.72	.30	.23	.36	.40	.98	1.04	.73	.59
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.01	.00	.02	.01	.02	.02	.01	.00	.00	.00
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.10	.16	.08	.05	.10	.11	.04	.09	.28	.39
TELEPHONE OPERATORS	.10	.09	.16	.17	.03	.05	.16	.12	.02	.02
CLERICAL AND KINDRED,NEC	4.48	4.75	3.32	3.34	2.44	2.70	6.17	5.72	4.06	5.14
SALES WORKERS	.43	.57	.06	.04	.34	.63	.48	.60	.72	.77
CRAFTSMEN,FOREMEN AND KINDRED	24.24	24.49	29.80	33.05	23.78	30.89	22.13	19.23	26.13	25.27
CONSTRUCTION CRAFTSMEN	6.15	5.60	9.18	9.38	9.29	10.32	1.28	1.13	11.57	9.66
CARPENTERS	.50	.38	1.21	.94	.53	.38	.14	.10	.82	.62
BRICKMASONS AND TILE SETRS	.09	.10	.11	.08	.20	.23	.02	.04	.12	.15
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	1.52	1.36	2.76	2.69	3.20	3.73	.31	.30	1.15	.97
EXCAVATNG,GRADNG MACH OPER	3.60	3.44	4.12	4.52	5.14	5.64	.38	.32	9.09	7.38
PAINTERS AND PAPERHANGERS	.16	.10	.24	.07	.02	.01	.21	.09	.19	.21
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.25	.36	.74	1.07	.18	.31	.17	.21	.20	.30
ROOFERS AND SLATERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.03	.04	.00	.00	.01	.01	.06	.07	.00	.02
FOREMEN NEC	5.49	6.51	7.36	8.86	6.67	9.22	5.57	6.70	2.11	2.82
METALWKNG CRAFTS EXC MECH	1.39	.92	2.31	1.66	.88	1.07	1.52	.59	1.10	1.01
MACHINISTS AND RELATED OCC	.53	.47	1.08	.88	.69	.94	.20	.08	.68	.66
BLKSMITHS,FORGMN,HAMMERMEN	.67	.24	.46	.26	.17	.12	1.23	.36	.14	.09
BOILERMAKERS	.08	.04	.49	.25	.01	.01	.03	.02	.01	.00
HEAT TREATERS,ANNEALERS	.00	.02	.00	.00	.00	.00	.01	.03	.00	.00
MILLWRIGHTS	.06	.06	.10	.05	.01	.00	.00	.00	.24	.24
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.01	.01	.04	.10	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.02	.03	.07	.05	.00	.00	.02	.04	.00	.00
TOOLMAKERS AND DIEMAKERS	.03	.04	.07	.07	.00	.00	.04	.05	.02	.02
PRINTING TRADES CRAFTSMEN	.02	.01	.01	.01	.00	.00	.04	.02	.01	.00
COMPOSITORS,TYPESETTERS	.01	.01	.01	.01	.00	.00	.02	.01	.01	.00
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.19	.19	1.03	.91	.11	.14	.02	.02	.12	.14
LINEMEN AND SERVICEMEN	.01	.01	.00	.00	.00	.00	.02	.02	.00	.00
LOCOMOTIVE ENGINEERS	.16	.17	.90	.84	.09	.13	.00	.00	.12	.14
LOCOMOTIVE FIREMEN	.02	.01	.13	.07	.01	.01	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	4.19	5.69	5.73	7.70	4.70	8.18	3.09	3.82	5.10	6.40
AIRPLANE MECH AND REPAIRMN	.01	.03	.00	.00	.00	.00	.02	.04	.02	.03
MOTOR VEHICLE MECHANICS	.18	.25	.39	.42	.09	.17	.10	.11	.38	.47
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.01	.04	.00	.00	.02	.04	.01	.06	.02	.04
RR AND CAR SHOP MECHANICS	.01	.01	.07	.06	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	3.98	5.37	5.28	7.22	4.59	7.97	2.96	3.61	4.68	5.86

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NONMETALLIC MINING AND QUARRYING	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	6.82	5.37	4.18	4.53	2.13	1.97	10.62	6.95	6.12	5.24
BAKERS	.01	.02	.00	.00	.00	.00	.01	.04	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.85	.92	1.92	2.23	.54	.55	.14	.10	2.34	2.07
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.01	.00	.00	.00	.00	.00	.00	.02	.04
INSPECTORS,LOG AND LUMBER	.00	.01	.00	.00	.00	.00	.00	.02	.00	.00
INSPECTORS,OTHER	.36	.30	.54	.59	.59	.32	.19	.28	.29	.19
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	5.59	4.10	1.72	1.72	1.00	1.10	10.27	6.51	3.45	2.93
OPERATIVES AND KINDRED WORKERS	47.46	41.73	50.27	45.12	65.11	55.49	35.12	32.54	50.51	47.80
DRIVERS AND DELIVERYMEN	4.59	6.17	3.98	5.76	3.98	6.28	2.60	2.87	11.02	12.81
DRIVERS,BUS,TRUCK,TRACTOR	4.53	6.04	3.94	5.74	3.96	6.26	2.54	2.71	10.87	12.61
DELIVERYMEN AND ROUTEMEN	.06	.12	.04	.02	.02	.02	.06	.15	.15	.20
TRANSP AND PUB UTIL OPERATVS	.08	.08	.11	.06	.03	.05	.06	.13	.19	.02
BRAKEMEN AND SWITCHMEN RR	.03	.02	.10	.06	.02	.05	.01	.00	.03	.02
POWER STATION OPERATORS	.01	.00	.01	.00	.00	.00	.00	.00	.07	.00
SAILORS AND DECKHANDS	.04	.06	.00	.00	.01	.00	.05	.13	.09	.00
SEMISKILLED METALWORKING OCC	1.07	1.68	2.45	3.74	.98	2.07	.57	.76	1.46	2.01
FURNACEMN,SMELTRMN,POURERS	.03	.06	.19	.43	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	1.05	1.62	2.26	3.30	.98	2.07	.57	.76	1.46	2.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	41.72	33.61	43.73	35.56	60.12	47.08	31.69	28.79	37.85	32.96
ASBESTOS,INSULATION WRKS	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
BLASTERS AND POWDERMEN	.44	.39	.49	.80	.84	.92	.21	.05	.38	.45
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.02	.02	.04	.04	.05	.05	.00	.01	.01	.01
MINE OPERATVS,LABORERS,NEC	38.86	31.24	40.76	32.46	54.19	40.13	30.89	28.51	34.90	29.41
OPERATIVES AND KINDRED,NEC	2.39	2.15	2.43	2.26	5.04	5.96	.78	.22	2.55	3.09
SERVICE WORKERS	1.21	1.37	2.73	2.92	.86	.90	.70	.88	1.91	1.79
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.59	.41	1.37	1.20	.57	.45	.13	.03	1.20	.67
FIREMEN	.01	.01	.05	.08	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.56	.38	1.21	1.01	.55	.42	.13	.03	1.20	.67
POLICE,OTH LAW ENFORCE OFF	.02	.02	.11	.11	.02	.03	.00	.00	.00	.00
FOOD SERVICE WORKERS	.11	.15	.09	.07	.02	.03	.17	.23	.08	.11
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.10	.14	.04	.03	.01	.01	.17	.23	.08	.11
COUNTER AND FOUNTAIN WKRS	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
WAITERS AND WAITRESSES	.01	.00	.02	.01	.01	.02	.00	.00	.00	.00
OTHER SERVICE WORKERS	.52	.81	1.28	1.65	.27	.42	.40	.61	.63	1.01
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.05	.08	.12	.24	.03	.04	.03	.06	.07	.08
JANITORS AND SEXTONS	.30	.41	.92	1.15	.14	.22	.19	.24	.36	.46
NURSES,PRACTICAL	.01	.00	.05	.04	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.17	.31	.19	.23	.09	.17	.19	.31	.20	.47
LABORERS,EXCEPT FARM AND MINE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING		LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	5.55	7.20	7.89	11.24	9.70	13.60	1.19	2.41	.93	1.51
ENGINEERS,TECHNICAL	2.12	2.67	2.79	3.88	4.25	5.68	.16	.23	.06	.10
ENGINEERS,AERONAUTICAL	.00	.00	.23	.22	.41	.37	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.01	.01	.19	.24	.09	.10	.01	.02	.00	.00
ENGINEERS,CIVIL	1.86	2.39	.08	.09	.10	.11	.02	.02	.08	.10
ENGINEERS,ELECTRICAL	.06	.07	.65	.93	1.13	1.56	.01	.01	.00	.00
ENGINEERS,INDUSTRIAL	.02	.02	.39	.64	.59	.91	.03	.05	.00	.00
ENGINEERS,MECHANICAL	.09	.10	.68	.91	1.06	1.35	.01	.02	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.10	.14	.17	.23	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.07	.08	.46	.71	.69	1.01	.07	.12	.00	.00
NATURAL SCIENTISTS	.04	.04	.62	.91	.39	.52	.13	.27	.00	.00
CHEMISTS	.01	.01	.37	.55	.17	.19	.03	.11	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.03	.04	.01	.01	.09	.16	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.04	.06	.00	.01	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.01	.01	.01	.02	.01	.02	.00	.00	.00	.00
MATHEMATICIANS	.01	.02	.05	.09	.09	.14	.00	.00	.00	.00
PHYSICISTS	.00	.00	.06	.09	.10	.13	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.05	.06	.03	.03	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	2.25	2.96	1.92	2.97	2.68	3.90	.34	.50	.09	.09
CRAFTSMEN	.65	.73	.74	.90	1.21	1.41	.23	.33	.03	.03
SURVEYORS	.33	.52	.00	.00	.00	.01	.03	.05	.02	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.01	.01	.00	.00	.01	.01	.01	.02	.00	.00
TECHNICIANS,OTHER	1.27	1.70	1.17	2.06	1.47	2.46	.08	.11	.04	.04
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.10	.11	.10	.12	.01	.02	.01	.02
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.05	.06	.06	.07	.01	.02	.01	.02
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.02	.02	.03	.03	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.00	.02	.03	.02	.03	.00	.00	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.00	.02	.03	.02	.03	.00	.00	.00	.00
SOCIAL SCIENTISTS	.01	.01	.06	.07	.07	.07	.01	.02	.00	.00
ECONOMISTS	.00	.00	.03	.03	.03	.03	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.01	.01	.03	.03	.04	.04	.01	.02	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.11	1.52	2.39	3.28	2.18	3.28	.53	1.35	.76	1.30
ACCOUNTANTS AND AUDITORS	.27	.38	.65	.67	.71	.73	.23	.29	.14	.19
AIRPLANE PILOTS,NAVIGATORS	.01	.01	.01	.02	.02	.02	.01	.01	.01	.03
ARCHITECTS	.03	.03	.01	.01	.01	.01	.01	.04	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.02	.02	.26	.27	.25	.25	.01	.03	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.09	.13	.21	.27	.24	.28	.04	.09	.00	.00
EDITORS AND REPORTERS	.00	.00	.43	.42	.04	.05	.00	.00	.00	.00
LAWYERS AND JUDGES	.03	.03	.04	.03	.04	.03	.01	.01	.00	.00
LIBRARIANS	.00	.00	.01	.02	.01	.02	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.03	.06	.20	.26	.24	.29	.06	.10	.01	.02
PHOTOGRAPHERS	.00	.00	.09	.11	.04	.04	.00	.00	.00	.03
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.63	.85	.49	1.20	.58	1.55	.16	.79	.60	1.03
MANAGERS,OFFICIALS,PROPRIETORS	11.59	11.29	6.18	6.20	5.72	5.97	7.35	7.15	6.86	9.53
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.01	.00	.01	.00	.02	.00
CREDITMEN	.00	.00	.05	.06	.03	.05	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.03	.03	.01	.01	.01	.01	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.03	.03	.39	.44	.47	.56	.31	.36	.51	.69
MANAGERS,OFFICE,PROP. NEC	11.53	11.23	5.73	5.68	5.20	5.35	7.03	6.79	6.33	8.84

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING		LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	4.31	6.05	12.37	12.07	12.46	11.72	5.05	5.80	.97	.92
STENOS, TYPISTS,SECRETARIES	1.26	1.79	3.12	3.38	3.28	3.52	1.07	1.50	.17	.21
OFFICE MACHINE OPERATORS	.04	.08	.57	.78	.52	.74	.14	.18	.05	.04
OTHER CLERICAL,KINDRED WRKRS	3.01	4.18	8.68	7.91	8.67	7.46	3.84	4.12	.74	.67
ACCOUNTING CLERKS	.52	.69	.51	.41	.45	.38	.24	.22	.16	.10
BOOKKEEPERS,HAND	.66	.83	.56	.47	.43	.37	.72	.71	.14	.11
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.01	.01	.06	.05	.04	.03	.01	.02	.00	.00
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.02	.01	1.18	1.07	1.06	.91	.50	.55	.03	.03
TELEPHONE OPERATORS	.04	.04	.16	.15	.14	.13	.03	.02	.00	.00
CLERICAL AND KINDRED,NEC	1.75	2.60	6.20	5.76	6.54	5.64	2.33	2.60	.42	.42
SALES WORKERS	.30	.37	3.23	3.59	1.85	2.10	1.08	1.56	.26	.38
CRAFTSMEN,FOREMEN AND KINDRED	51.80	48.96	18.95	19.43	22.49	22.50	12.06	15.74	5.77	8.03
CONSTRUCTION CRAFTSMEN	44.36	38.64	1.98	1.93	2.68	2.57	2.33	2.73	1.26	1.56
CARPENTERS	16.14	11.89	.45	.42	.65	.62	1.61	1.94	.11	.09
BRICKMASONS AND TILE SETRS	4.00	3.48	.08	.07	.12	.10	.01	.01	.00	.00
CEMENT,CONCRETE FINISHERS	1.11	1.30	.00	.00	.00	.00	.01	.01	.00	.00
ELECTRICIANS	3.38	3.61	.70	.63	.92	.80	.20	.22	.03	.03
EXCAVATNG,GRADNG MACH OPER	4.54	4.76	.07	.06	.09	.07	.38	.47	1.11	1.44
PAINTERS AND PAPERHANGERS	7.35	5.71	.15	.11	.23	.17	.06	.05	.00	.00
PLASTERERS	1.17	.99	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	4.61	4.67	.36	.43	.39	.47	.05	.03	.00	.00
ROOFERS AND SLATERS	1.15	1.11	.01	.01	.01	.00	.01	.01	.00	.00
STRUCTURAL METALWORKERS	.92	1.11	.15	.19	.26	.32	.00	.00	.00	.00
FOREMEN NEC	2.23	3.12	4.12	4.63	4.25	4.75	3.16	4.10	1.89	2.58
METALWKNG CRAFTS EXC MECH	1.17	1.46	5.38	4.96	8.90	7.91	1.05	1.42	.19	.24
MACHINISTS AND RELATED OCC	.07	.06	2.54	2.19	4.21	3.50	.16	.33	.09	.06
BLKSMITHS,FORGMN,HAMMERMEN	.03	.04	.10	.07	.17	.12	.02	.02	.01	.00
BOILERMAKERS	.10	.13	.08	.07	.11	.10	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.12	.10	.20	.18	.00	.00	.00	.00
MILLWRIGHTS	.12	.19	.36	.36	.44	.44	.77	.98	.09	.18
MOLDERS,METAL,EXC COREMKRS	.00	.00	.31	.27	.55	.46	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.22	.21	.38	.35	.04	.03	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.18	.16	.32	.28	.00	.00	.00	.00
SHEET METAL WORKERS	.84	1.04	.46	.46	.78	.75	.04	.04	.00	.00
TOOLMAKERS AND DIEMAKERS	.01	.00	1.01	1.06	1.73	1.74	.02	.02	.00	.00
PRINTING TRADES CRAFTSMEN	.01	.00	1.64	1.47	.13	.13	.03	.03	.00	.00
COMPOSITORS,TYPESETTERS	.00	.00	.98	.67	.05	.04	.03	.03	.00	.00
ELECTROTYPERS,STEREOTYPERS	.00	.00	.05	.02	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.05	.07	.04	.04	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.13	.26	.02	.02	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.42	.45	.02	.03	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.18	.34	.05	.09	.09	.14	.02	.02	.01	.01
LINEMEN AND SERVICEMEN	.18	.34	.04	.07	.06	.12	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.01	.02	.02	.02	.01	.01	.01	.01
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
MECHANICS AND REPAIRMEN	2.03	2.66	2.92	3.61	3.38	3.64	1.28	2.22	.83	1.34
AIRPLANE MECH AND REPAIRMN	.00	.00	.23	.16	.40	.27	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.14	.14	.26	.21	.37	.28	.11	.10	.19	.24
OFFICE MACHINE MECHANICS	.00	.00	.04	.05	.06	.08	.00	.00	.00	.00
RADIO AND TV MECHANICS	.02	.02	.04	.06	.07	.10	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00
OTHER MECHANICS AND REPAIR	1.87	2.50	2.35	3.13	2.47	3.09	1.16	2.11	.64	1.11

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING		LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	1.82	2.75	2.87	2.75	3.07	3.17	4.19	5.21	1.60	2.29
BAKERS	.00	.00	.40	.24	.00	.00	.01	.02	.00	.00
CABINETMAKERS	.15	.14	.21	.16	.36	.27	.75	.65	.01	.01
CRANE,DERRICK,HOIST MEN	.41	.55	.45	.52	.80	.82	.60	1.00	.77	1.27
GLAZIERS	.12	.21	.02	.02	.03	.04	.15	.11	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.06	.05	.10	.09	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.14	.12	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.05	.04	.09	.07	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.10	.10	.16	.15	2.25	2.95	.60	.77
INSPECTORS,OTHER	.32	.57	.07	.07	.11	.10	.01	.01	.00	.00
UPHOLSTERERS	.01	.01	.16	.15	.27	.24	.02	.01	.00	.00
CRAFTSMEN AND KINDRED NEC	.79	1.26	1.16	1.28	1.12	1.38	.41	.47	.23	.24
OPERATIVES AND KINDRED WORKERS	7.66	11.78	42.72	42.00	38.24	36.03	37.96	41.40	13.91	20.85
DRIVERS AND DELIVERYMEN	3.57	4.60	2.81	2.88	1.74	1.83	6.38	7.06	11.85	17.20
DRIVERS,BUS,TRUCK,TRACTOR	3.51	4.54	1.74	1.75	1.62	1.69	6.27	6.88	11.81	17.13
DELIVERYMEN AND ROUTEMEN	.06	.06	1.07	1.13	.12	.14	.10	.18	.04	.07
TRANSP AND PUB UTIL OPERATVS	.06	.06	.06	.07	.07	.07	.06	.09	.02	.02
BRAKEMEN AND SWITCHMEN RR	.00	.00	.03	.03	.05	.04	.02	.02	.02	.02
POWER STATION OPERATORS	.01	.01	.03	.04	.02	.02	.04	.07	.00	.00
SAILORS AND DECKHANDS	.05	.05	.00	.01	.00	.01	.01	.01	.00	.00
SEMISKILLED METALWORKING OCC	.76	1.20	7.82	8.01	13.71	13.57	.18	.34	.00	.03
FURNACEMN,SMELTRMN,POURERS	.00	.00	.30	.27	.53	.46	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.04	.04	.07	.07	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.76	1.20	1.48	1.53	2.45	3.13	.18	.34	.00	.03
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.58	.68	1.04	1.17	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	2.70	2.64	4.80	4.54	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	1.03	1.02	1.84	1.75	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	1.50	1.24	2.66	2.13	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.07	.07	.12	.12	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.12	.11	.21	.19	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	4.50	4.55	.30	.28	.08	.08	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.25	.21	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.29	.15	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.35	.19	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	3.61	4.00	.29	.27	.08	.08	.00	.00
OTHER OPERATIVES AND KINDRED	3.47	5.92	27.53	26.49	22.43	22.29	31.26	33.83	2.04	3.59
ASBESTOS,INSULATION WRKS	.28	.31	.04	.05	.04	.06	.03	.04	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00
BLASTERS AND POWDERMEN	.03	.04	.00	.00	.00	.01	.03	.07	.14	.28
LAUNDRY,DRY CLEANING OPER	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	3.15	5.56	27.45	26.42	22.36	22.21	31.19	33.71	1.90	3.31
SERVICE WORKERS	.50	.52	1.91	1.62	1.80	1.52	1.42	1.39	.29	.33
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.18	.09	.68	.47	.79	.57	.96	.61	.18	.22
FIREMEN	.00	.00	.01	.02	.02	.03	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.16	.09	.64	.44	.74	.52	.95	.81	.18	.22
POLICE,OTH LAW ENFORCE OFF	.01	.00	.02	.02	.03	.02	.01	.01	.00	.00
FOOD SERVICE WORKERS	.05	.04	.12	.10	.09	.08	.03	.03	.04	.04
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.02	.04	.04	.03	.03	.03	.03	.03	.03
COUNTER AND FOUNTAIN WRKS	.01	.01	.04	.04	.04	.04	.00	.00	.00	.00
WAITERS AND WAITRESSES	.01	.01	.04	.03	.02	.02	.00	.00	.01	.01
OTHER SERVICE WORKERS	.27	.39	1.11	1.05	.92	.87	.42	.55	.07	.07
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.06	.10	.15	.15	.12	.13	.06	.10	.00	.00
JANITORS AND SEXTONS	.11	.17	.53	.48	.48	.41	.26	.30	.01	.01
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.10	.13	.42	.42	.31	.33	.10	.15	.06	.06
LABORERS,EXCEPT FARM AND MINE	18.09	13.83	6.74	3.85	7.74	4.55	33.90	24.55	71.02	58.45
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE, CLAY AND GLASS PRODUCTS		GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL, KINDRED	1.24	2.60	1.81	2.65	4.18	6.13	4.99	8.00	2.91	4.18
ENGINEERS, TECHNICAL	.18	.26	.40	.60	1.30	1.82	1.20	2.04	.97	1.39
ENGINEERS, AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS, CHEMICAL	.02	.03	.00	.00	.22	.14	.12	.11	.06	.03
ENGINEERS, CIVIL	.01	.00	.02	.02	.13	.19	.06	.05	.29	.4[illegible]
ENGINEERS, ELECTRICAL	.01	.01	.00	.00	.07	.11	.09	.14	.08	.12
ENGINEERS, INDUSTRIAL	.04	.06	.15	.24	.19	.29	.28	.45	.11	.16
ENGINEERS, MECHANICAL	.02	.02	.06	.06	.24	.31	.30	.50	.13	.15
ENGINEERS, METALLURG, ETC	.00	.00	.00	.00	.02	.02	.02	.02	.00	.00
ENGINEERS, MINING	.00	.00	.00	.00	.02	.02	.00	.00	.02	.04
OTHER ENGINEERS, TECHNICAL	.08	.14	.17	.28	.42	.74	.33	.76	.28	.45
NATURAL SCIENTISTS	.16	.33	.01	.01	.34	.40	.20	.28	.46	.53
CHEMISTS	.04	.13	.01	.01	.29	.34	.20	.28	.44	.51
AGRICULTURAL SCIENTISTS	.12	.20	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS, GEOPHYSICISTS	.00	.00	.00	.00	.01	.01	.00	.00	.02	.02
MATHEMATICIANS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.04	.04	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS, EXC MEDICAL, DENT	.40	.59	.52	.87	.79	1.41	.79	1.81	.54	.76
DRAFTSMEN	.27	.39	.48	.77	.24	.35	.27	.45	.15	.28
SURVEYORS	.03	.06	.00	.00	.01	.02	.00	.00	.02	.05
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.01	.02	.00	.00	.00	.01	.01	.03	.00	.00
TECHNICIANS, OTHER	.09	.12	.05	.10	.54	1.04	.51	1.34	.36	.43
MEDICAL, OTHER HEALTH WORKERS	.01	.02	.03	.03	.06	.06	.08	.09	.02	.01
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS, NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES, PROFESSIONAL	.01	.02	.03	.03	.05	.05	.08	.09	.01	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS, MEDICAL, DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL, HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.01	.03	.00	.00	.01	.03
TEACHERS, ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS, SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS, COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS, OTHER	.00	.00	.00	.00	.01	.03	.00	.00	.01	.03
SOCIAL SCIENTISTS	.01	.03	.01	.01	.03	.04	.08	.11	.01	.01
ECONOMISTS	.00	.00	.01	.01	.01	.01	.03	.02	.01	.01
STATISTICIANS + ACTUARIES	.01	.03	.00	.00	.02	.03	.05	.07	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
OTHER PROF, TECH AND KINDRED	.48	1.37	.84	1.14	1.65	2.37	2.64	3.66	.91	1.45
ACCOUNTANTS AND AUDITORS	.26	.31	.32	.31	.64	.79	.74	.91	.56	.74
AIRPLANE PILOTS, NAVIGATORS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
ARCHITECTS	.02	.05	.01	.01	.01	.01	.01	.01	.00	.00
WRKRS IN ARTS, ENTERTAINMNT	.02	.03	.04	.06	.34	.23	.83	.56	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS, EXC DESIGN DRAFT	.05	.11	.21	.18	.11	.07	.14	.06	.03	.03
EDITORS AND REPORTERS	.00	.00	.01	.02	.01	.01	.02	.03	.00	.00
LAWYERS AND JUDGES	.01	.01	.01	.02	.03	.02	.06	.07	.01	.01
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.07	.12	.11	.13	.17	.20	.26	.33	.12	.09
PHOTOGRAPHERS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
PROF, TECH, KINDRED, NEC	.06	.73	.14	.41	.33	1.02	.53	1.67	.18	.58
MANAGERS, OFFICIALS, PROPRIETORS	7.46	6.63	6.77	6.50	7.85	8.53	4.66	5.22	11.64	13.15
CONDUCTORS, RAILROAD	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.07	.10	.06	.04	.05	.08	.09	.04
OFFICERS, PILOTS, ENGRS, SHIP	.01	.00	.00	.00	.01	.02	.00	.00	.03	.05
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.26	.29	.27	.27	.30	.33	.24	.28	.33	.43
MANAGERS, OFFICE, PROP. NEC	7.19	6.35	6.42	6.53	7.47	8.14	4.38	4.86	11.19	12.62

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE,CLAY AND GLASS PRODUCTS		GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	5.58	6.87	9.90	9.68	10.23	10.29	10.63	9.52	9.33	10.03
STENOS, TYPISTS,SECRETARIES	1.27	1.78	2.39	2.67	2.55	2.45	2.68	2.57	2.17	2.11
OFFICE MACHINE OPERATORS	.16	.21	.42	.50	.37	.56	.29	.49	.33	.34
OTHER CLERICAL,KINDRED WRKRS	4.55	4.87	7.06	6.70	7.31	7.29	7.66	6.46	6.83	7.58
ACCOUNTING CLERKS	.26	.25	.31	.22	.44	.42	.62	.47	.46	.55
BOOKKEEPERS,HAND	.86	.84	.89	.67	.89	1.04	.13	.10	1.71	2.12
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.02	.02	.01	.01	.04	.04	.08	.08	.03	.03
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.61	.66	1.76	1.78	.98	.84	1.24	1.01	.31	.26
TELEPHONE OPERATORS	.04	.03	.08	.07	.14	.15	.18	.16	.14	.17
CLERICAL AND KINDRED,NEC	2.76	3.08	4.04	3.95	4.82	4.81	5.40	4.63	4.18	4.45
SALES WORKERS	1.26	1.81	3.27	3.69	2.69	3.66	1.82	1.86	3.18	4.78
CRAFTSMEN,FOREMEN AND KINDRED	13.50	17.41	21.79	20.95	14.37	15.59	13.32	16.29	15.54	16.13
CONSTRUCTION CRAFTSMEN	2.58	2.99	2.44	3.05	2.49	2.26	1.49	1.42	3.64	3.00
CARPENTERS	1.96	2.34	2.16	2.92	.41	.45	.41	.50	.59	.70
BRICKMASONS AND TILE SETRS	.01	.01	.00	.00	.38	.27	.08	.05	.23	.11
CEMENT,CONCRETE FINISHERS	.01	.01	.00	.00	.03	.02	.00	.00	.09	.03
ELECTRICIANS	.24	.26	.14	.07	.83	.76	.62	.43	1.29	1.06
EXCAVATNG,GRADNG MACH OPER	.22	.26	.01	.01	.58	.48	.03	.02	1.13	.82
PAINTERS AND PAPERHANGERS	.08	.06	.10	.05	.06	.04	.02	.01	.10	.08
PLASTERERS	.00	.00	.00	.00	.01	.02	.00	.00	.01	.00
PLUMBERS AND PIPEFITTERS	.06	.03	.01	.00	.17	.18	.32	.39	.13	.10
ROOFERS AND SLATERS	.01	.01	.00	.00	.01	.03	.01	.01	.03	.05
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.01	.02	.01	.01	.03	.03
FOREMEN NEC	3.45	4.43	4.30	5.42	4.53	4.56	4.70	5.72	4.02	3.83
METALWKNG CRAFTS EXC MECH	1.25	1.68	1.08	.84	1.52	1.53	1.60	1.81	.90	.68
MACHINISTS AND RELATED OCC	.18	.39	.19	.13	.75	.75	.89	1.01	.44	.40
BLKSMITHS,FORGMN,HAMMERMEN	.03	.02	.02	.00	.06	.01	.04	.01	.06	.01
BOILERMAKERS	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.93	1.15	.11	.06	.27	.28	.31	.43	.18	.14
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.03	.04	.04	.09	.00	.00
PATTERNMAKERS,METAL,WOOD	.05	.04	.12	.09	.07	.07	.09	.04	.05	.05
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.02	.03	.00	.00	.00	.00
SHEET METAL WORKERS	.05	.05	.33	.24	.10	.05	.10	.07	.12	.04
TOOLMAKERS AND DIEMAKERS	.02	.02	.31	.31	.21	.30	.13	.14	.03	.03
PRINTING TRADES CRAFTSMEN	.04	.04	.04	.05	.05	.05	.14	.13	.02	.05
COMPOSITORS,TYPESETTERS	.04	.04	.03	.04	.01	.00	.00	.00	.00	.00
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.04	.04	.12	.10	.02	.05
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.01	.01	.01	.01	.02	.03	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.02	.02	.00	.00	.02	.02	.02	.02	.03	.01
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.01	.01	.00	.00	.02	.01	.02	.02	.03	.00
LOCOMOTIVE FIREMEN	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
MECHANICS AND REPAIRMEN	1.38	2.41	1.60	2.24	3.47	4.67	3.17	4.61	4.67	6.15
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.09	.08	.02	.03	.26	.30	.15	.15	.51	.56
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.28	2.33	1.57	2.21	3.20	4.56	3.01	4.46	4.16	5.59

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE,CLAY AND GLASS PRODUCTS		GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	4.78	5.85	12.33	9.36	2.29	2.30	2.21	2.59	2.26	2.41
BAKERS	.01	.02	.03	.05	.01	.01	.02	.02	.00	.00
CABINETMAKERS	.91	.79	6.40	4.42	.01	.01	.00	.00	.04	.04
CRANE,DERRICK,HOIST MEN	.56	.94	.05	.08	.74	.91	.40	.55	1.36	1.61
GLAZIERS	.18	.14	.02	.02	.16	.24	.61	.90	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.02	.03	.08	.10	.00	.00
INSPECTORS,LOG AND LUMBER	2.63	3.42	.07	.03	.00	.01	.01	.01	.01	.02
INSPECTORS,OTHER	.01	.01	.00	.00	.02	.02	.02	.01	.03	.06
UPHOLSTERERS	.02	.01	5.44	4.46	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.46	.52	.33	.30	1.33	1.06	1.08	1.00	.83	.68
OPERATIVES AND KINDRED WORKERS	43.46	45.88	49.42	51.02	44.52	45.40	53.23	51.87	40.18	41.34
DRIVERS AND DELIVERYMEN	5.13	4.85	2.01	3.07	7.55	10.00	1.49	1.59	17.36	22.05
DRIVERS,BUS,TRUCK,TRACTOR	5.01	4.65	1.81	2.68	7.39	9.78	1.43	1.54	17.07	21.60
DELIVERYMEN AND ROUTEMEN	.12	.20	.19	.39	.16	.21	.07	.05	.28	.45
TRANSP AND PUB UTIL OPERATVS	.08	.11	.01	.02	.06	.07	.04	.05	.08	.09
BRAKEMEN AND SWITCHMEN RR	.02	.02	.00	.00	.02	.02	.00	.00	.03	.01
POWER STATION OPERATORS	.05	.08	.01	.02	.02	.03	.04	.05	.02	.02
SAILORS AND DECKHANDS	.01	.01	.00	.00	.02	.03	.00	.00	.04	.06
SEMISKILLED METALWORKING OCC	.22	.41	1.41	1.88	.88	1.15	.47	.48	1.50	1.97
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.06	.12	.04	.08	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.22	.41	1.41	1.88	.81	1.03	.43	.39	1.50	1.97
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.10	.10	2.92	2.75	.09	.04	.12	.13	.01	.01
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.01	.00	.01	.01	.01	.01	.00	.00
SEWERS AND STITCHERS,MFG	.10	.10	2.91	2.75	.08	.04	.12	.12	.01	.01
OTHER OPERATIVES AND KINDRED	37.94	40.42	43.07	43.29	35.94	34.15	51.09	49.62	21.23	17.22
ASBESTOS,INSULATION WRKS	.03	.05	.02	.01	.12	.13	.00	.00	.02	.01
ATTEND,AUTO SERVICE,PARKNG	.01	.02	.01	.01	.01	.00	.01	.02	.02	.00
BLASTERS AND POWDERMEN	.01	.02	.00	.00	.03	.06	.00	.00	.06	.09
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	37.89	40.33	43.04	43.28	35.77	33.94	51.07	49.60	21.12	17.12
SERVICE WORKERS	1.68	1.63	1.58	1.54	1.73	1.55	2.29	2.08	1.22	1.04
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	1.14	.94	.68	.59	.69	.53	.83	.68	.53	.31
FIREMEN	.00	.00	.01	.03	.01	.02	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	1.13	.93	.67	.57	.67	.50	.83	.68	.53	.31
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.01	.02	.00	.00	.00	.00
FOOD SERVICE WORKERS	.03	.03	.02	.01	.09	.09	.21	.17	.01	.03
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.03	.01	.00	.03	.03	.04	.02	.01	.03
COUNTER AND FOUNTAIN WKRS	.00	.00	.01	.01	.04	.03	.10	.06	.00	.00
WAITERS AND WAITRESSES	.00	.00	.00	.00	.02	.03	.08	.08	.00	.00
OTHER SERVICE WORKERS	.51	.66	.88	.93	.95	.93	1.25	1.24	.67	.70
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.08	.12	.11	.16	.19	.24	.22	.18	.13	.24
JANITORS AND SEXTONS	.32	.36	.51	.64	.50	.47	.64	.62	.36	.26
NURSES,PRACTICAL	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.11	.17	.25	.12	.25	.23	.39	.43	.18	.20
LABORERS,EXCEPT FARM AND MINE	25.41	17.16	5.47	3.37	14.44	8.44	9.06	5.15	16.01	9.35
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE		PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	2.78	4.12	3.88	4.92	6.26	8.64	5.30	7.23	5.20	7.29
ENGINEERS,TECHNICAL	1.13	1.33	1.08	1.58	2.15	2.62	2.28	3.01	2.18	2.94
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.01	.02	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.60	.41	.52	.38	.26	.18	.06	.06	.04	.05
ENGINEERS,CIVIL	.02	.01	.03	.06	.04	.03	.12	.10	.16	.12
ENGINEERS,ELECTRICAL	.00	.00	.07	.15	.05	.07	.12	.17	.10	.14
ENGINEERS,INDUSTRIAL	.08	.17	.10	.20	.33	.39	.54	.83	.62	.99
ENGINEERS,MECHANICAL	.11	.11	.14	.28	.46	.44	.40	.46	.37	.42
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.06	.07	.75	.58	.76	1.05
ENGINEERS,MINING	.02	.04	.00	.00	.03	.03	.01	.01	.01	.01
OTHER ENGINEERS,TECHNICAL	.30	.59	.21	.52	.91	1.39	.28	.39	.12	.16
NATURAL SCIENTISTS	.10	.12	.00	.00	.60	.62	.32	.39	.35	.43
CHEMISTS	.10	.12	.00	.00	.37	.35	.24	.28	.25	.29
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.01	.03	.01	.01
MATHEMATICIANS	.00	.00	.00	.00	.04	.04	.02	.03	.03	.06
PHYSICISTS	.00	.00	.00	.00	.20	.22	.03	.03	.03	.03
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.02	.02
TECHNICIANS,EXC MEDICAL,DENT	.47	.78	.76	1.49	1.41	2.36	1.13	1.74	1.09	1.78
DRAFTSMEN	.09	.08	.17	.44	.47	.45	.36	.39	.34	.35
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.38	.71	.59	1.05	.94	1.50	.76	1.35	.75	1.43
MEDICAL,OTHER HEALTH WORKERS	.01	.01	.06	.02	.14	.15	.10	.14	.09	.12
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	.06	.02	.11	.12	.07	.09	.06	.08
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.02	.02	.01	.02	.02	.03
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.02	.02	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.03	.08	.01	.02	.02	.04
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.03	.08	.01	.02	.02	.04
SOCIAL SCIENTISTS	.00	.00	.00	.00	.06	.05	.06	.10	.07	.10
ECONOMISTS	.00	.00	.00	.00	.02	.02	.02	.02	.03	.04
STATISTICIANS + ACTUARIES	.00	.00	.00	.00	.03	.03	.04	.07	.03	.05
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
OTHER PROF,TECH AND KINDRED	1.08	1.88	1.99	1.82	1.87	2.76	1.40	1.84	1.41	1.88
ACCOUNTANTS AND AUDITORS	.51	.64	.31	.47	.83	.52	.70	.78	.75	.83
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
ARCHITECTS	.00	.00	.00	.00	.02	.03	.00	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.11	.09	1.25	.86	.11	.05	.03	.04	.04	.06
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.12	.12	.33	.20	.11	.08	.04	.06	.04	.07
EDITORS AND REPORTERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
LAWYERS AND JUDGES	.00	.00	.00	.00	.04	.02	.02	.02	.04	.04
LIBRARIANS	.00	.00	.00	.00	.01	.02	.01	.01	.01	.02
PERSONNEL AND LAB REL WRKS	.16	.25	.04	.05	.19	.27	.24	.28	.18	.19
PHOTOGRAPHERS	.00	.00	.00	.00	.02	.02	.02	.03	.03	.04
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
PROF,TECH,KINDRED,NEC	.18	.78	.04	.23	.54	1.36	.30	.58	.29	.61
MANAGERS,OFFICIALS,PROPRIETORS	6.32	7.53	4.49	5.18	7.72	6.21	3.51	3.41	2.27	2.21
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.04	.02	.07	.04
CREDITMEN	.04	.00	.00	.00	.06	.03	.02	.02	.02	.02
OFFICERS,PILOTS,ENGRS,SHIP	.02	.04	.00	.00	.00	.00	.01	.01	.02	.03
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.19	.30	.31	.47	.41	.19	.27	.26	.20	.19
MANAGERS,OFFICE,PROP. NEC	6.07	7.19	4.18	4.72	7.25	5.59	3.17	3.09	1.96	1.92

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE		PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	7.32	8.52	8.92	11.22	13.55	12.40	10.67	10.36	10.80	10.82
STENOS, TYPISTS,SECRETARIES	1.97	2.34	1.88	1.92	3.66	3.12	2.27	2.47	1.83	1.91
OFFICE MACHINE OPERATORS	.56	.93	.06	.20	.53	.96	.42	.60	.35	.52
OTHER CLERICAL,KINDRED WRKRS	4.80	5.25	6.99	9.10	9.35	8.31	7.98	7.29	8.62	8.39
ACCOUNTING CLERKS	.41	.35	.24	.17	.27	.24	.49	.34	.41	.30
BOOKKEEPERS,HAND	.46	.43	.24	.20	.98	.90	.04	.03	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.03	.01	.05	.03	.03	.01	.03	.03	.04	.04
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.73	.53	2.32	3.21	1.41	1.02	1.08	.94	.82	.67
TELEPHONE OPERATORS	.12	.14	.19	.23	.08	.07	.15	.14	.10	.08
CLERICAL AND KINDRED,NEC	3.05	3.79	3.95	5.26	6.59	6.07	6.18	5.81	7.26	7.30
SALES WORKERS	2.37	3.90	1.55	2.18	3.59	4.27	1.25	1.82	.81	1.21
CRAFTSMEN,FOREMEN AND KINDRED	11.14	12.27	9.70	12.82	17.51	18.32	28.83	31.68	30.95	34.86
CONSTRUCTION CRAFTSMEN	2.75	2.75	1.09	1.27	2.19	2.11	3.92	4.03	5.26	5.43
CARPENTERS	.25	.19	.08	.04	.32	.21	.44	.41	.55	.54
BRICKMASONS AND TILE SETRS	1.34	1.50	.00	.00	.52	.29	.60	.58	.97	.93
CEMENT,CONCRETE FINISHERS	.02	.06	.03	.01	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.26	.14	.68	.93	.73	.93	1.62	1.60	2.08	1.98
EXCAVATNG,GRADNG MACH OPER	.67	.43	.03	.06	.51	.64	.14	.12	.16	.16
PAINTERS AND PAPERHANGERS	.00	.00	.19	.12	.00	.00	.21	.13	.30	.23
PLASTERERS	.05	.15	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.15	.23	.08	.10	.10	.05	.75	1.00	.96	1.31
ROOFERS AND SLATERS	.01	.04	.00	.00	.00	.00	.01	.00	.01	.01
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.16	.19	.22	.27
FOREMEN NEC	4.48	5.18	5.00	5.96	5.04	5.52	5.25	6.07	5.03	5.93
METALWKNG CRAFTS EXC MECH	.92	1.06	1.27	2.31	2.93	2.69	10.68	10.25	8.48	7.92
MACHINISTS AND RELATED OCC	.35	.24	.72	1.46	1.34	1.10	2.03	1.80	1.45	1.26
BLKSMITHS,FORGMN,HAMMERMEN	.01	.00	.00	.00	.11	.02	.55	.51	.34	.23
BOILERMAKERS	.01	.04	.00	.00	.00	.00	.19	.14	.30	.25
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.56	.66	.39	.40
MILLWRIGHTS	.16	.19	.14	.08	.49	.43	1.41	1.65	1.94	2.14
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.10	.05	2.62	2.29	.38	.23
PATTERNMAKERS,METAL,WOOD	.07	.02	.03	.01	.11	.17	.35	.31	.08	.03
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.09	.15	2.03	1.86	3.30	3.09
SHEET METAL WORKERS	.01	.01	.08	.06	.13	.06	.18	.14	.16	.11
TOOLMAKERS AND DIEMAKERS	.29	.56	.30	.69	.57	.71	.76	.87	.15	.17
PRINTING TRADES CRAFTSMEN	.00	.00	.03	.01	.03	.01	.04	.03	.04	.03
COMPOSITORS,TYPESETTERS	.00	.00	.03	.01	.03	.01	.02	.02	.02	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.04	.07	.00	.00	.00	.00	.15	.18	.28	.34
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01
LOCOMOTIVE ENGINEERS	.04	.07	.00	.00	.00	.00	.13	.16	.25	.32
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.01	.00	.02	.01
MECHANICS AND REPAIRMEN	2.44	2.85	1.89	2.69	3.05	4.67	3.06	4.43	3.44	5.40
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.16	.17	.04	.08	.11	.14	.08	.09	.10	.13
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.02	.01	.03
RADIO AND TV MECHANICS	.00	.00	.00	.00	.03	.06	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.04	.06	.06	.11
OTHER MECHANICS AND REPAIR	2.28	2.67	1.84	2.61	2.90	4.46	2.93	4.25	3.24	5.13

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE		PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.51	.36	.41	.58	4.26	3.32	5.72	6.69	8.44	9.81
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.01	.01	.02	.01
CRANE,DERRICK,HOIST MEN	.15	.09	.03	.01	.77	.85	3.62	4.32	5.61	6.43
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.00	.00	.00	.00	.01	.00	.64	.61	1.20	1.18
UPHOLSTERERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.36	.27	.39	.57	3.44	2.42	1.24	1.74	1.60	2.18
OPERATIVES AND KINDRED WORKERS	35.83	38.63	59.55	56.66	40.49	43.92	32.69	33.60	27.56	27.07
DRIVERS AND DELIVERYMEN	5.14	6.95	1.00	1.34	2.65	3.79	1.48	1.64	1.42	1.64
DRIVERS,BUS,TRUCK,TRACTOR	5.00	6.83	.95	1.21	2.53	3.70	1.39	1.52	1.35	1.52
DELIVERYMEN AND ROUTEMEN	.13	.12	.04	.13	.12	.09	.09	.12	.07	.12
TRANSP AND PUB UTIL OPERATVS	.01	.02	.00	.00	.09	.14	.37	.41	.66	.75
BRAKEMEN AND SWITCHMEN RR	.01	.02	.00	.00	.04	.05	.32	.33	.59	.65
POWER STATION OPERATORS	.00	.00	.00	.00	.02	.05	.05	.07	.07	.09
SAILORS AND DECKHANDS	.00	.00	.00	.00	.02	.04	.00	.00	.01	.01
SEMISKILLED METALWORKING OCC	.62	.77	.39	.53	.68	.94	8.16	8.59	7.14	7.88
FURNACEMN,SMELTRMN,POURERS	.04	.03	.12	.18	.19	.40	3.23	3.16	3.43	3.67
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.45	.55	.64	.70
WELDERS AND FLAME-CUTTERS	.58	.73	.27	.35	.49	.54	2.31	2.64	2.54	2.96
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.07	.08	.02	.02
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.34	.36	.11	.11
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	1.10	1.14	.40	.43
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.61	.61	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.03	.00	.27	.01	.02	.01	.01	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.05	.01	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.03	.00	.21	.00	.02	.00	.01	.00
OTHER OPERATIVES AND KINDRED	30.06	30.89	58.14	54.79	36.80	39.05	22.66	22.96	18.33	16.79
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.58	.65	.01	.01	.02	.02
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00
BLASTERS AND POWDERMEN	.08	.22	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.01	.04	.01	.00	.01	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	29.99	30.67	58.14	54.79	36.21	38.35	22.63	22.94	18.29	16.78
SERVICE WORKERS	1.44	1.60	1.81	2.34	2.01	1.47	2.31	1.85	2.46	2.04
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.80	.90	.55	.75	.75	.45	1.09	.86	1.07	.88
FIREMEN	.00	.00	.00	.00	.05	.08	.01	.02	.02	.03
GUARDS,WATCHMEN,DOORKEEPRS	.80	.90	.55	.75	.65	.29	1.02	.81	.96	.82
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.06	.08	.06	.03	.09	.03
FOOD SERVICE WORKERS	.05	.09	.04	.02	.12	.12	.08	.09	.10	.11
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.02	.03	.04	.02	.06	.05	.03	.03	.02	.03
COUNTER AND FOUNTAIN WKRS	.02	.06	.00	.00	.05	.06	.03	.03	.04	.04
WAITERS AND WAITRESSES	.00	.00	.00	.00	.02	.02	.03	.03	.04	.05
OTHER SERVICE WORKERS	.59	.61	1.21	1.58	1.13	.69	1.14	.91	1.29	1.05
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01
CHARWOMEN AND CLEANERS	.14	.23	.35	.50	.23	.22	.09	.09	.02	.02
JANITORS AND SEXTONS	.36	.35	.65	.88	.58	.55	.39	.32	.13	.13
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00
SERVICE WORKERS,NEC	.09	.03	.17	.19	.32	.13	.65	.48	1.13	.89
LABORERS,EXCEPT FARM AND MINE	32.80	23.44	10.10	4.69	8.87	4.67	15.42	10.04	19.94	14.50
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC		MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	3.84	5.95	6.92	8.36	9.70	12.48	10.34	14.65	8.42	11.40
ENGINEERS,TECHNICAL	1.72	2.71	3.02	3.41	4.20	5.31	4.38	5.69	3.88	5.01
ENGINEERS,AERONAUTICAL	.00	.00	.01	.01	.25	.21	.01	.01	.00	.00
ENGINEERS,CHEMICAL	.03	.06	.12	.08	.11	.13	.05	.04	.00	.00
ENGINEERS,CIVIL	.06	.07	.10	.10	.20	.21	.06	.03	.05	.05
ENGINEERS,ELECTRICAL	.07	.12	.23	.26	.66	.69	.43	.73	.09	.11
ENGINEERS,INDUSTRIAL	.41	.75	.54	.66	.58	.94	.61	.87	.66	.91
ENGINEERS,MECHANICAL	.26	.36	.58	.64	1.43	1.92	2.01	2.34	2.01	2.80
ENGINEERS,METALLURG,ETC	.51	.79	.96	1.07	.22	.32	.10	.10	.28	.30
ENGINEERS,MINING	.01	.01	.01	.01	.00	.00	.01	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.37	.55	.48	.58	.75	.88	1.11	1.59	.79	.85
NATURAL SCIENTISTS	.14	.20	.43	.50	.40	.61	.28	.40	.24	.55
CHEMISTS	.12	.19	.33	.36	.14	.16	.08	.09	.04	.04
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.06
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.01	.03	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.03	.07	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.01	.01	.01	.01	.10	.20	.10	.17	.02	.02
PHYSICISTS	.00	.00	.06	.05	.11	.19	.06	.09	.00	.25
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.04	.04	.04	.04	.17	.17
TECHNICIANS,EXC MEDICAL,DENT	.86	1.44	1.48	1.98	2.71	3.10	3.42	4.66	1.67	2.08
DRAFTSMEN	.38	.38	.44	.47	1.53	1.93	1.92	2.26	.97	1.17
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
TECHNICIANS,OTHER	.48	1.06	1.03	1.50	1.18	1.16	1.49	2.40	.70	.92
MEDICAL,OTHER HEALTH WORKERS	.12	.18	.11	.12	.09	.11	.09	.13	.10	.12
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01
NURSES,PROFESSIONAL	.08	.10	.09	.10	.06	.09	.07	.09	.07	.08
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.01	.02	.01	.01	.00	.00	.01	.01	.02	.03
PSYCHOLOGISTS	.00	.00	.00	.00	.01	.01	.00	.01	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.03	.06	.01	.01	.01	.02	.01	.01	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.02	.03	.02	.02	.02	.03
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.02	.03	.02	.02	.02	.03
SOCIAL SCIENTISTS	.05	.08	.08	.11	.07	.08	.06	.05	.06	.03
ECONOMISTS	.00	.00	.00	.00	.02	.02	.04	.03	.03	.03
STATISTICIANS + ACTUARIES	.04	.07	.07	.09	.05	.06	.02	.02	.03	.00
OTHER SOCIAL SCIENTISTS	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.97	1.35	1.80	2.26	2.21	3.24	2.08	3.69	2.45	3.58
ACCOUNTANTS AND AUDITORS	.44	.48	.87	.98	.65	.67	.79	.89	1.07	1.04
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.02	.02	.01	.02	.02	.03	.00	.00
ARCHITECTS	.00	.00	.01	.02	.01	.01	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.01	.02	.04	.04	.28	.28	.14	.19	.17	.20
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.05	.09	.05	.04	.19	.25	.28	.28	.31	.35
EDITORS AND REPORTERS	.01	.02	.01	.01	.05	.04	.04	.06	.07	.12
LAWYERS AND JUDGES	.00	.00	.02	.02	.03	.02	.02	.02	.00	.00
LIBRARIANS	.00	.00	.00	.00	.01	.02	.01	.02	.00	.00
PERSONNEL AND LAB REL WRKS	.27	.34	.33	.38	.27	.38	.20	.25	.21	.25
PHOTOGRAPHERS	.01	.01	.02	.03	.06	.03	.05	.05	.03	.03
SOCIAL AND WELFARE WORKERS	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.18	.38	.43	.71	.66	1.50	.53	1.91	.58	1.58
MANAGERS,OFFICIALS,PROPRIETORS	4.04	3.75	5.26	4.97	6.99	7.31	6.57	7.88	6.14	6.92
CONDUCTORS,RAILROAD	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.03	.03	.03	.02	.06	.08	.14	.19
OFFICERS,PILOTS,ENGRS,SHIP	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.29	.27	.37	.36	.57	.64	.54	.63	.53	.69
MANAGERS,OFFICE,PROP. NEC	3.74	3.47	4.84	4.57	6.38	6.64	5.97	7.17	5.47	6.04

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC		MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	9.02	9.27	12.04	10.69	14.13	13.11	13.32	12.57	15.17	13.02
STENOS, TYPISTS, SECRETARIES	1.94	2.34	3.40	3.48	3.78	3.81	3.52	3.93	3.78	4.12
OFFICE MACHINE OPERATORS	.38	.45	.59	.87	.54	.72	.71	.90	.82	1.12
OTHER CLERICAL, KINDRED WRKRS	6.71	6.47	8.05	6.34	9.82	8.58	9.09	7.74	10.57	7.78
ACCOUNTING CLERKS	.65	.48	.50	.29	.53	.43	.53	.36	.39	.28
BOOKKEEPERS, HAND	.00	.00	.17	.09	.51	.30	.45	.36	.65	.50
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.03	.03	.03	.03	.04	.04	.04	.02	.06	.03
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	1.19	1.07	1.47	1.25	1.47	1.23	1.13	.94	1.38	1.37
TELEPHONE OPERATORS	.16	.19	.21	.18	.16	.17	.12	.12	.12	.14
CLERICAL AND KINDRED, NEC	4.68	4.71	5.67	4.51	7.11	6.42	6.83	5.95	7.97	5.47
SALES WORKERS	1.10	1.59	2.21	3.00	2.21	2.35	2.28	2.34	2.33	2.77
CRAFTSMEN, FOREMEN AND KINDRED	30.43	34.21	23.38	24.25	23.07	23.57	27.90	25.14	22.23	21.67
CONSTRUCTION CRAFTSMEN	2.45	2.55	2.92	3.23	2.25	1.95	1.20	.98	1.30	1.03
CARPENTERS	.25	.21	.42	.40	.28	.23	.22	.12	.21	.14
BRICKMASONS AND TILE SETRS	.28	.31	.24	.30	.06	.03	.03	.03	.07	.09
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ELECTRICIANS	1.00	1.19	1.38	1.40	.61	.47	.59	.50	.63	.51
EXCAVATNG, GRADNG MACH OPER	.14	.10	.10	.07	.03	.01	.02	.01	.08	.07
PAINTERS AND PAPERHANGERS	.20	.07	.05	.02	.51	.40	.05	.04	.11	.06
PLASTERERS	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
PLUMBERS AND PIPEFITTERS	.40	.48	.69	.99	.34	.33	.25	.24	.18	.13
ROOFERS AND SLATERS	.00	.00	.00	.00	.02	.01	.00	.00	.01	.01
STRUCTURAL METALWORKERS	.17	.19	.03	.04	.41	.45	.04	.04	.00	.00
FOREMEN NEC	5.08	6.06	5.84	6.32	4.54	5.13	3.77	4.52	4.75	5.23
METALWKNG CRAFTS EXC MECH	16.62	16.41	8.65	8.01	11.33	10.32	17.42	13.56	10.64	9.30
MACHINISTS AND RELATED OCC	2.52	2.22	2.61	2.25	5.05	4.39	11.13	7.93	6.10	5.43
BLKSMITHS, FORGMN, HAMMERMEN	1.23	1.27	.27	.22	.24	.14	.16	.10	.32	.24
BOILERMAKERS	.13	.07	.07	.05	.34	.24	.03	.02	.00	.00
HEAT TREATERS, ANNEALERS	1.01	1.30	.44	.46	.27	.14	.33	.29	.33	.23
MILLWRIGHTS	.98	1.40	.67	1.12	.31	.32	.25	.22	.33	.24
MOLDERS, METAL, EXC COREMKRS	7.58	6.59	1.82	1.45	.48	.42	.57	.49	1.03	.74
PATTERNMAKERS, METAL, WOOD	1.01	.90	.20	.17	.25	.19	.37	.30	.49	.62
ROLLERS AND ROLL HANDS	.98	1.22	.75	.55	.34	.40	.04	.04	.01	.01
SHEET METAL WORKERS	.13	.13	.25	.18	2.13	1.77	.60	.49	.49	.35
TOOLMAKERS AND DIEMAKERS	1.06	1.31	1.57	1.57	1.92	2.30	3.94	3.69	1.54	1.45
PRINTING TRADES CRAFTSMEN	.04	.04	.04	.03	.23	.17	.12	.11	.05	.06
COMPOSITORS, TYPESETTERS	.04	.04	.02	.02	.05	.03	.04	.03	.01	.01
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.02	.02	.07	.04	.04	.03	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.07	.05	.01	.02	.01	.02
PRESSMEN, PLATE PRINTERS	.00	.00	.00	.00	.04	.05	.02	.02	.04	.04
TRANSPORT AND PUB UTIL CRAFT	.05	.08	.02	.02	.01	.01	.02	.02	.04	.05
LINEMEN AND SERVICEMEN	.01	.03	.02	.02	.00	.00	.01	.02	.04	.05
LOCOMOTIVE ENGINEERS	.04	.05	.00	.00	.01	.01	.00	.01	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	2.63	4.01	2.82	3.31	2.97	3.66	3.58	3.60	4.29	4.37
AIRPLANE MECH AND REPAIRMN	.00	.00	.01	.01	.10	.07	.02	.02	.00	.00
MOTOR VEHICLE MECHANICS	.07	.08	.07	.06	.08	.07	.17	.12	.83	.78
OFFICE MACHINE MECHANICS	.00	.00	.01	.03	.01	.03	.36	.36	.02	.03
RADIO AND TV MECHANICS	.00	.00	.00	.00	.05	.09	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00
OTHER MECHANICS AND REPAIR	2.55	3.92	2.73	3.19	2.73	3.40	3.02	3.08	3.44	3.56

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC		MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	3.57	5.05	2.89	3.32	1.74	2.34	1.79	2.35	1.15	1.63
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.00	.00	.02	.00	.03	.00	.00	.00
CRANE,DERRICK,HOIST MEN	2.64	3.39	1.72	1.89	.57	.70	.44	.42	.36	.24
GLAZIERS	.00	.00	.00	.00	.05	.08	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.01	.02	.01	.01	.00	.00
LOOM FIXERS	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.18	.25	.06	.04	.04	.03	.02	.01	.04	.04
UPHOLSTERERS	.00	.00	.00	.00	.02	.02	.06	.05	.00	.00
CRAFTSMEN AND KINDRED NEC	.72	1.39	1.10	1.39	1.02	1.48	1.23	1.84	.75	1.36
OPERATIVES AND KINDRED WORKERS	35.12	35.88	39.66	41.74	36.95	36.53	35.12	34.34	38.76	39.86
DRIVERS AND DELIVERYMEN	1.57	1.83	1.48	1.46	1.16	1.23	.69	.66	1.44	1.89
DRIVERS,BUS,TRUCK,TRACTOR	1.47	1.68	1.37	1.35	1.05	1.16	.60	.55	1.30	1.66
DELIVERYMEN AND ROUTEMEN	.11	.15	.11	.11	.12	.07	.09	.11	.14	.23
TRANSP AND PUB UTIL OPERATVS	.12	.15	.09	.11	.02	.00	.02	.02	.02	.03
BRAKEMEN AND SWITCHMEN RR	.09	.11	.05	.05	.01	.00	.00	.01	.00	.00
POWER STATION OPERATORS	.03	.05	.04	.06	.00	.00	.01	.01	.02	.03
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	9.58	9.87	8.62	8.47	15.41	15.17	18.09	17.12	16.60	17.11
FURNACEMN,SMELTRMN,POURERS	2.76	2.45	3.34	3.03	.34	.32	.20	.17	.31	.18
HEATERS,METAL	.49	.74	.05	.12	.03	.02	.02	.02	.01	.01
WELDERS AND FLAME-CUTTERS	2.87	3.33	1.32	1.47	4.33	5.15	3.32	4.48	5.40	7.14
ASSEMBLERS,MTLWRK,CLASS A	.09	.10	.15	.17	.62	.73	2.12	2.27	.71	.79
ASSEMBLERS,MTLWRK,CLASS B	.42	.43	.69	.70	3.09	2.64	4.76	4.90	3.72	3.46
INSPECTORS,MTLWRK,CLASS B	1.60	1.52	1.67	1.89	2.12	2.04	1.44	1.25	1.68	1.48
MACHINE TOOL OPER,CLASS B	1.35	1.31	1.01	.92	3.44	3.06	6.13	3.96	4.78	4.06
ELECTROPLATERS	.00	.00	.06	.07	.53	.49	.04	.02	.00	.00
ELECTROPLATERS HELPERS	.01	.00	.10	.10	.92	.73	.06	.05	.00	.00
SEMISKILLED TEXTILE OCCUP	.05	.03	.03	.00	.07	.01	.04	.01	.06	.05
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.07	.02	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
SEWERS AND STITCHERS,MFG	.02	.00	.03	.00	.06	.00	.04	.00	.06	.05
OTHER OPERATIVES AND KINDRED	23.78	23.99	29.44	31.71	20.30	20.12	16.28	16.53	20.64	20.78
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.02	.03	.01	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.01	.02	.00	.00	.03	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.01	.00	.00	.00	.00	.00	.00	.02	.02
MEAT CUTTERS,EXC MEATPCKNG	.01	.00	.01	.01	.00	.00	.01	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	23.76	23.97	29.43	31.70	20.26	20.08	16.26	16.52	20.60	20.74
SERVICE WORKERS	2.23	1.80	2.13	1.60	1.85	1.45	1.58	1.28	1.76	1.41
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	1.13	.86	1.10	.82	.85	.58	.60	.36	.75	.51
FIREMEN	.01	.01	.01	.01	.03	.05	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	1.08	.83	1.06	.79	.79	.49	.59	.36	.72	.47
POLICE,OTH LAW ENFORCE OFF	.04	.02	.03	.02	.02	.04	.01	.01	.03	.04
FOOD SERVICE WORKERS	.07	.09	.08	.05	.07	.09	.07	.06	.04	.03
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.03	.02	.02	.03	.04	.03	.02	.01	.01
COUNTER AND FOUNTAIN WKRS	.01	.02	.03	.02	.03	.04	.02	.03	.01	.01
WAITERS AND WAITRESSES	.02	.04	.02	.01	.02	.01	.02	.02	.01	.01
OTHER SERVICE WORKERS	1.04	.85	.95	.73	.93	.78	.91	.85	.99	.88
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.01	.01	.00	.00	.00	.01	.00	.00
CHARWOMEN AND CLEANERS	.20	.23	.11	.09	.13	.15	.15	.16	.13	.08
JANITORS AND SEXTONS	.65	.48	.60	.47	.56	.39	.53	.43	.72	.70
NURSES,PRACTICAL	.00	.00	.03	.01	.01	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.19	.15	.21	.15	.23	.24	.21	.24	.14	.09
LABORERS,EXCEPT FARM AND MINE	14.20	7.55	8.40	5.38	5.09	3.20	2.89	1.80	5.18	2.95
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY		TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	21.10	28.61	9.24	12.63	17.80	24.05	12.20	15.34	6.29	9.18
ENGINEERS,TECHNICAL	8.07	10.82	3.99	4.91	8.41	10.34	5.57	7.18	2.24	3.38
ENGINEERS,AERONAUTICAL	.00	.00	.01	.01	.03	.03	2.12	2.13	.01	.01
ENGINEERS,CHEMICAL	.09	.13	.05	.03	.14	.15	.07	.08	.03	.03
ENGINEERS,CIVIL	.00	.00	.07	.03	.06	.06	.16	.22	.03	.03
ENGINEERS,ELECTRICAL	3.09	4.19	.15	.22	4.86	6.00	.70	.91	.11	.15
ENGINEERS,INDUSTRIAL	1.24	1.65	.53	.74	1.01	1.35	.64	1.13	.48	.71
ENGINEERS,MECHANICAL	1.94	2.28	2.01	2.30	1.12	1.28	1.45	2.05	1.18	1.76
ENGINEERS,METALLURG,ETC	.08	.12	.08	.08	.09	.15	.10	.15	.10	.10
ENGINEERS,MINING	.00	.00	.01	.00	.01	.01	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	1.62	2.44	1.08	1.52	1.10	1.27	.33	.52	.29	.58
NATURAL SCIENTISTS	1.34	1.87	.16	.15	.57	.71	.47	.51	.10	.20
CHEMISTS	.31	.38	.06	.05	.15	.21	.17	.14	.06	.10
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.01	.01	.01	.01	.01	.00	.00
MATHEMATICIANS	.63	1.05	.04	.04	.15	.19	.14	.22	.03	.06
PHYSICISTS	.32	.36	.03	.03	.24	.27	.11	.10	.01	.04
OTHER NATURAL SCIENTISTS	.08	.08	.02	.02	.03	.03	.03	.03	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	7.29	9.50	3.12	4.11	5.54	8.35	2.86	3.35	[illegible]	2.20
CRAFTSMEN	2.00	2.35	2.00	2.35	2.08	1.98	1.18	1.17	[illegible]	.85
SURVEYORS	.00	.00	.00	.00	.00	.00	.01	.01	[illegible]	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00
TECHNICIANS,OTHER	5.29	7.15	1.12	1.77	3.45	6.35	1.67	2.17	.73	1.35
MEDICAL,OTHER HEALTH WORKERS	.09	.15	.09	.13	.08	.12	.10	.10	.10	.09
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
NURSES,PROFESSIONAL	.05	.08	.07	.10	.06	.08	.07	.06	.07	.06
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02
PSYCHOLOGISTS	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.01	.02	.01	.01	.01	.01	.01	.01	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.12	.13	.01	.00	.05	.05	.03	.03	.01	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.12	.13	.01	.00	.05	.05	.03	.03	.01	.01
SOCIAL SCIENTISTS	.10	.15	.05	.04	.12	.11	.09	.10	.09	.09
ECONOMISTS	.02	.04	.04	.03	.08	.07	.03	.02	.05	.04
STATISTICIANS + ACTUARIES	.07	.11	.01	.01	.04	.04	.06	.07	.04	.05
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	4.09	6.20	1.81	3.29	3.01	4.38	3.08	4.07	2.27	3.21
ACCOUNTANTS AND AUDITORS	1.01	.97	.74	.86	.93	.87	.88	.81	1.00	.92
AIRPLANE PILOTS,NAVIGATORS	.02	.03	.02	.03	.01	.02	.06	.05	.01	.01
ARCHITECTS	.00	.00	.00	.00	.00	.00	.02	.03	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.40	.40	.11	.15	.30	.23	.48	.50	.16	.23
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.65	.96	.23	.16	.42	.40	.20	.29	.23	.24
EDITORS AND REPORTERS	.12	.15	.03	.04	.07	.09	.06	.07	.02	.03
LAWYERS AND JUDGES	.04	.04	.02	.02	.07	.05	.06	.06	.05	.05
LIBRARIANS	.01	.04	.01	.02	.02	.05	.01	.02	.00	.00
PERSONNEL AND LAB REL WRKS	.24	.31	.20	.24	.34	.31	.28	.35	.26	.36
PHOTOGRAPHERS	.06	.07	.05	.05	.05	.07	.07	.05	.02	.02
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	1.53	3.23	.41	1.72	.80	2.29	.95	1.85	.52	1.35
MANAGERS,OFFICIALS,PROPRIETORS	5.88	7.41	6.69	8.05	5.10	4.11	3.36	4.04	2.75	4.21
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.05	.08	.03	.06	.02	.03	.02	.02
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.02	.03	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.44	.57	.55	.63	.60	.71	.55	.66	.31	.50
MANAGERS,OFFICE,PROP. NEC	5.44	6.83	6.08	7.34	4.47	3.33	2.76	3.33	2.42	3.69

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY		TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	14.86	14.29	12.97	12.24	14.57	12.14	12.88	11.27	9.84	8.97
STENOS, TYPISTS,SECRETARIES	4.89	5.50	3.34	3.65	4.47	4.66	3.28	3.03	2.24	2.31
OFFICE MACHINE OPERATORS	.64	.79	.71	.90	.71	1.18	.50	.61	.53	.73
OTHER CLERICAL,KINDRED WRKRS	9.32	8.00	8.93	7.70	9.38	6.10	9.10	7.62	7.07	5.93
ACCOUNTING CLERKS	.34	.28	.56	.38	.50	.48	.40	.37	.47	.41
BOOKKEEPERS,HAND	.36	.21	.44	.37	.30	.28	.11	.10	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.06	.06	.03	.01	.06	.05	.04	.04	.05	.05
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.70	.48	1.15	.97	1.00	.77	.60	.41	.69	.43
TELEPHONE OPERATORS	.11	.10	.12	.13	.20	.13	.13	.09	.11	.08
CLERICAL AND KINDRED,NEC	7.75	6.88	6.61	5.65	7.33	4.39	7.81	6.61	5.75	4.97
SALES WORKERS	4.41	3.61	2.02	2.09	1.65	1.68	.65	.70	.76	.75
CRAFTSMEN,FOREMEN AND KINDRED	18.65	15.04	29.52	27.14	15.76	16.95	28.18	26.22	22.63	19.45
CONSTRUCTION CRAFTSMEN	.49	.38	1.27	1.07	1.20	.87	5.67	6.53	1.75	1.62
CARPENTERS	.09	.08	.24	.12	.16	.12	1.41	1.48	.21	.22
BRICKMASONS AND TILE SETRS	.00	.00	.02	.03	.02	.02	.04	.05	.03	.03
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.26	.16	.63	.56	.79	.57	1.79	1.72	1.02	.83
EXCAVATNG,GRADNG MACH OPER	.00	.00	.01	.00	.01	.00	.03	.02	.00	.00
PAINTERS AND PAPERHANGERS	.02	.02	.05	.04	.05	.03	.48	.38	.09	.05
PLASTERERS	.00	.00	.01	.01	.00	.00	.00	.01	.00	.00
PLUMBERS AND PIPEFITTERS	.11	.12	.27	.27	.16	.09	.92	1.44	.38	.48
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.04	.04	.02	.04	.97	1.43	.01	.01
FOREMEN NEC	2.56	2.45	3.83	4.79	4.19	4.60	4.09	3.98	3.93	3.60
METALWKNG CRAFTS EXC MECH	7.21	5.59	19.25	15.28	5.72	5.35	10.20	8.46	9.02	7.80
MACHINISTS AND RELATED OCC	3.78	2.57	12.46	9.05	2.98	2.59	4.67	3.50	3.11	2.62
BLKSMITHS,FORGMN,HAMMERMEN	.02	.00	.17	.11	.04	.02	.15	.11	.14	.12
BOILERMAKERS	.00	.00	.03	.02	.01	.01	.19	.25	.00	.00
HEAT TREATERS,ANNEALERS	.14	.06	.35	.33	.07	.04	.19	.15	.20	.14
MILLWRIGHTS	.07	.04	.26	.25	.20	.16	.40	.42	.72	.75
MOLDERS,METAL,EXC COREMKRS	.10	.04	.59	.53	.23	.24	.15	.11	.16	.07
PATTERNMAKERS,METAL,WOOD	.45	.53	.35	.23	.33	.40	.53	.32	.50	.38
ROLLERS AND ROLL HANDS	.06	.08	.03	.03	.03	.03	.03	.02	.04	.03
SHEET METAL WORKERS	.11	.05	.67	.58	.44	.65	1.43	1.42	.40	.42
TOOLMAKERS AND DIEMAKERS	2.47	2.21	4.33	4.14	1.40	1.20	2.46	2.17	3.73	3.28
PRINTING TRADES CRAFTSMEN	.30	.17	.11	.11	.11	.12	.06	.07	.02	.02
COMPOSITORS,TYPESETTERS	.14	.07	.04	.02	.06	.06	.03	.02	.01	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.12	.05	.04	.04	.03	.03	.01	.01	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.02	.04	.01	.02	.01	.01	.01	.01	.00	.00
PRESSMEN,PLATE PRINTERS	.03	.02	.02	.02	.02	.03	.02	.02	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.01	.02	.02	.02	.39	.64	.02	.03	.02	.03
LINEMEN AND SERVICEMEN	.01	.02	.01	.01	.38	.64	.01	.02	.01	.02
LOCOMOTIVE ENGINEERS	.00	.00	.01	.01	.00	.00	.01	.01	.01	.01
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	6.41	4.92	3.18	3.31	2.75	3.67	6.06	5.30	5.84	5.09
AIRPLANE MECH AND REPAIRMN	.00	.00	.02	.03	.03	.06	2.16	1.60	.02	.02
MOTOR VEHICLE MECHANICS	.04	.03	.12	.08	.02	.02	1.69	1.39	3.77	3.07
OFFICE MACHINE MECHANICS	3.63	2.77	.00	.00	.02	.03	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.24	.30	.14	.20	.01	.03
RR AND CAR SHOP MECHANICS	.00	.00	.01	.01	.00	.00	.03	.04	.00	.00
OTHER MECHANICS AND REPAIR	2.74	2.12	3.02	3.19	2.44	3.26	2.04	2.06	2.03	1.97

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY		TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	1.67	1.50	1.86	2.55	1.41	1.71	2.07	1.86	2.04	1.31
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.04	.04	.03	.00	.02	.02	.13	.15	.01	.01
CRANE,DERRICK,HOIST MEN	.01	.00	.50	.51	.13	.05	.36	.34	.39	.34
GLAZIERS	.01	.01	.00	.00	.00	.00	.02	.03	.03	.04
JEWELERS AND WATCHMAKERS	.04	.01	.01	.01	.01	.01	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
INSPECTORS,OTHER	.02	.01	.02	.01	.02	.02	.07	.15	.03	.03
UPHOLSTERERS	.00	.00	.07	.07	.01	.00	.16	.11	.20	.12
CRAFTSMEN AND KINDRED NEC	1.56	1.44	1.24	1.96	1.20	1.60	1.33	1.07	1.38	.77
OPERATIVES AND KINDRED WORKERS	32.78	29.72	35.06	34.58	41.13	38.32	37.36	37.82	51.76	51.87
DRIVERS AND DELIVERYMEN	.19	.16	.68	.63	.46	.43	.88	.94	1.24	1.18
DRIVERS,BUS,TRUCK,TRACTOR	.14	.13	.59	.51	.40	.37	.72	.77	.98	.95
DELIVERYMEN AND ROUTEMEN	.06	.03	.09	.12	.06	.06	.16	.17	.27	.24
TRANSP AND PUB UTIL OPERATVS	.00	.00	.02	.02	.01	.00	.05	.07	.06	.07
BRAKEMEN AND SWITCHMEN RR	.00	.00	.01	.01	.00	.00	.01	.02	.02	.02
POWER STATION OPERATORS	.00	.00	.01	.01	.00	.00	.02	.03	.04	.06
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
SEMISKILLED METALWORKING OCC	16.91	17.00	18.36	17.15	18.96	17.20	22.23	21.37	34.66	33.25
FURNACEMN,SMELTRMN,POURERS	.06	.04	.21	.19	.10	.07	.13	.11	.21	.19
HEATERS,METAL	.00	.00	.02	.02	.00	.00	.04	.04	.06	.05
WELDERS AND FLAME-CUTTERS	.62	.43	3.45	4.69	1.57	1.73	3.73	4.93	3.98	5.03
ASSEMBLERS,MTLWRK,CLASS A	.82	1.42	2.41	2.56	1.97	1.98	.98	.90	.21	.33
ASSEMBLERS,MTLWRK,CLASS B	9.05	11.17	4.35	4.01	9.91	6.75	9.56	8.58	17.62	15.92
INSPECTORS,MTLWRK,CLASS B	1.97	1.73	1.36	1.15	3.44	2.99	2.96	2.88	4.62	4.76
MACHINE TOOL OPER,CLASS B	3.68	2.05	6.52	4.27	1.65	1.37	4.62	3.70	7.58	6.58
ELECTROPLATERS	.19	.05	.02	.02	.11	.12	.08	.08	.14	.15
ELECTROPLATERS HELPERS	.33	.09	.04	.04	.20	.18	.14	.14	.24	.24
SEMISKILLED TEXTILE OCCUP	.02	.00	.04	.01	.05	.05	.24	.23	.39	.37
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.02	.00	.04	.00	.05	.05	.23	.23	.39	.37
OTHER OPERATIVES AND KINDRED	15.65	12.56	15.96	16.77	21.64	20.64	13.97	15.21	15.41	16.99
ASBESTOS,INSULATION WRKS	.02	.02	.01	.00	.04	.06	.11	.19	.01	.01
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.03	.03	.03	.02	.04	.03
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	15.63	12.54	15.94	16.77	21.57	20.56	13.82	15.00	15.35	16.96
SERVICE WORKERS	1.35	.89	1.59	1.33	1.61	1.48	2.11	1.82	2.16	1.81
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.53	.17	.60	.38	.63	.40	.97	.78	.84	.69
FIREMEN	.00	.00	.00	.00	.01	.01	.06	.08	.02	.02
GUARDS,WATCHMEN,DOORKEEPRS	.52	.14	.58	.38	.60	.38	.86	.67	.81	.66
POLICE,OTH LAW ENFORCE OFF	.01	.02	.01	.00	.03	.02	.04	.03	.01	.01
FOOD SERVICE WORKERS	.11	.16	.07	.05	.10	.08	.13	.10	.12	.11
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.02	.03	.03	.02	.03	.02	.03	.03	.03	.03
COUNTER AND FOUNTAIN WKRS	.08	.12	.02	.02	.04	.05	.07	.05	.06	.05
WAITERS AND WAITRESSES	.01	.02	.02	.02	.02	.01	.03	.02	.03	.03
OTHER SERVICE WORKERS	.72	.56	.93	.89	.88	.99	1.01	.93	1.21	1.01
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.01	.01	.00	.00	.01	.00	.00	.00
CHARWOMEN AND CLEANERS	.04	.04	.17	.19	.08	.08	.15	.16	.27	.24
JANITORS AND SEXTONS	.36	.37	.54	.42	.43	.34	.58	.46	.67	.43
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.31	.15	.21	.27	.37	.57	.26	.31	.26	.35
LABORERS,EXCEPT FARM AND MINE	.98	.23	2.91	1.95	2.38	1.27	3.28	2.79	3.61	3.76
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT		PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	21.15	28.04	7.69	10.36	6.80	7.16	18.38	25.33	19.40	26.69
ENGINEERS,TECHNICAL	10.67	15.25	2.82	3.47	2.62	2.64	8.12	11.14	8.59	11.75
ENGINEERS,AERONAUTICAL	5.50	6.54	.05	.05	.04	.04	.09	.13	.09	.13
ENGINEERS,CHEMICAL	.14	.21	.02	.02	.00	.00	.23	.23	.24	.25
ENGINEERS,CIVIL	.30	.56	.16	.14	.04	.04	.04	.04	.04	.04
ENGINEERS,ELECTRICAL	1.50	2.29	.49	.47	.30	.30	2.33	3.10	2.49	3.32
ENGINEERS,INDUSTRIAL	.97	2.16	.25	.50	.46	.48	1.29	1.94	1.33	2.00
ENGINEERS,MECHANICAL	1.79	2.73	1.43	1.86	1.19	1.14	1.48	1.68	1.56	1.77
ENGINEERS,METALLURG,ETC	.14	.29	.04	.04	.02	.02	.04	.05	.05	.06
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.32	.48	.39	.39	.57	.62	2.62	3.98	2.78	4.18
NATURAL SCIENTISTS	1.04	1.23	.16	.13	.02	.01	1.27	1.54	1.35	1.64
CHEMISTS	.34	.27	.08	.03	.02	.01	.58	.72	.62	.77
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02
BIOLOGICAL SCIENTISTS	.02	.02	.00	.00	.00	.00	.02	.01	.02	.01
GEOLOGISTS,GEOPHYSICISTS	.02	.04	.00	.00	.00	.00	.03	.19	.04	.20
MATHEMATICIANS	.33	.59	.02	.04	.00	.00	.15	.15	.16	.16
PHYSICISTS	.26	.25	.04	.04	.00	.00	.36	.37	.38	.39
OTHER NATURAL SCIENTISTS	.07	.07	.03	.02	.00	.00	.12	.08	.13	.09
TECHNICIANS,EXC MEDICAL,DENT	4.56	5.17	2.69	3.30	2.14	2.25	5.04	7.40	5.29	7.76
DRAFTSMEN	1.37	1.26	1.77	1.49	1.82	1.54	1.94	2.04	2.01	2.10
SURVEYORS	.01	.01	.02	.01	.02	.02	.01	.01	.01	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.02	.01	.03	.03	.00	.00	.00	.01	.00	.00
TECHNICIANS,OTHER	3.17	3.89	.89	1.77	.29	.29	3.09	5.34	3.27	5.65
MEDICAL,OTHER HEALTH WORKERS	.10	.12	.11	.09	.10	.10	.63	.57	.68	.61
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.02	.02	.01	.01	.01	.01
NURSES,PROFESSIONAL	.07	.07	.07	.05	.06	.06	.04	.02	.03	.02
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.02	.00	.02	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.03	.02	.04	.03
PHYSICIANS AND SURGEONS	.01	.02	.01	.01	.00	.00	.03	.02	.03	.02
PSYCHOLOGISTS	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01
TECHNICIANS,MEDICAL,DENTAL	.02	.02	.03	.03	.02	.02	.50	.48	.53	.52
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.03	.03	.09	.12	.00	.00	.04	.06	.04	.05
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.03	.03	.09	.12	.00	.00	.04	.06	.04	.05
SOCIAL SCIENTISTS	.14	.17	.01	.02	.00	.00	.09	.10	.10	.11
ECONOMISTS	.02	.02	.01	.01	.00	.00	.03	.02	.03	.01
STATISTICIANS + ACTUARIES	.12	.15	.01	.01	.00	.00	.06	.08	.06	.08
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
OTHER PROF,TECH AND KINDRED	4.61	6.07	1.80	3.24	1.92	2.16	3.18	4.53	3.35	4.77
ACCOUNTANTS AND AUDITORS	.93	.90	.39	.34	.90	.76	.77	.61	.81	.65
AIRPLANE PILOTS,NAVIGATORS	.15	.13	.00	.00	.02	.02	.02	.03	.03	.03
ARCHITECTS	.00	.00	.14	.15	.00	.00	.01	.01	.01	.01
WRKRS IN ARTS,ENTERTAINMNT	1.04	1.21	.03	.03	.07	.07	.39	.37	.42	.40
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.09	.10	.42	.87	.08	.05	.47	.56	.49	.58
EDITORS AND REPORTERS	.12	.15	.03	.03	.06	.05	.10	.12	.11	.13
LAWYERS AND JUDGES	.08	.08	.03	.02	.11	.09	.10	.08	.11	.08
LIBRARIANS	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.31	.33	.29	.38	.24	.32	.31	.39	.32	.40
PHOTOGRAPHERS	.14	.11	.04	.03	.05	.03	.07	.06	.07	.07
SOCIAL AND WELFARE WORKERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	1.69	3.00	.44	1.38	.39	.74	.95	2.31	1.00	2.42
MANAGERS,OFFICIALS,PROPRIETORS	3.77	3.96	3.54	3.02	5.05	5.51	6.52	5.86	6.45	5.95
CONDUCTORS,RAILROAD	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.00	.00	.13	.20	.01	.02	.01	.01
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.13	.16	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.92	1.09	.33	.40	.46	.23	.58	.93	.58	.94
MANAGERS,OFFICE,PROP. NEC	2.84	2.86	3.07	2.45	4.47	5.48	5.92	4.91	5.86	4.99

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT		PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	17.59	15.82	9.78	8.64	11.59	11.03	17.37	15.46	17.60	15.52
STENOS, TYPISTS,SECRETARIES	4.89	4.56	2.23	2.13	2.92	2.72	5.14	4.87	5.23	4.89
OFFICE MACHINE OPERATORS	.54	.62	.28	.37	.46	.46	.54	1.05	.53	1.03
OTHER CLERICAL,KINDRED WRKRS	12.15	10.65	7.27	6.14	8.21	7.85	11.69	9.55	11.83	9.61
ACCOUNTING CLERKS	.30	.28	.41	.39	.56	.53	.34	.26	.35	.27
BOOKKEEPERS,HAND	.18	.18	.12	.11	.39	.31	.71	.54	.68	.51
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.04	.04	.04	.04	.09	.09	.03	.02	.03	.02
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.60	.33	.22	.29	.95	.92	1.09	.77	1.17	.82
TELEPHONE OPERATORS	.14	.09	.17	.09	.13	.12	.20	.15	.20	.14
CLERICAL AND KINDRED,NEC	10.89	9.73	6.31	5.22	6.08	5.88	9.31	7.81	9.40	7.85
SALES WORKERS	.54	.53	.34	.43	1.34	1.82	2.44	1.97	2.45	1.87
CRAFTSMEN,FOREMEN AND KINDRED	26.74	23.27	49.09	49.17	27.12	26.03	19.15	17.46	19.25	17.24
CONSTRUCTION CRAFTSMEN	2.52	2.06	25.34	26.20	7.51	7.07	1.07	1.08	1.11	1.13
CARPENTERS	.27	.11	7.51	6.44	3.28	3.57	.15	.13	.15	.13
BRICKMASONS AND TILE SETRS	.01	.01	.10	.10	.25	.24	.01	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
ELECTRICIANS	1.76	2.05	4.33	3.59	1.47	1.24	.55	.66	.58	.70
EXCAVATNG,GRADNG MACH OPER	.03	.02	.08	.06	.00	.00	.01	.01	.01	.01
PAINTERS AND PAPERHANGERS	.09	.05	2.68	1.80	.67	.52	.06	.02	.06	.02
PLASTERERS	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.31	.34	4.16	6.18	1.03	.96	.28	.25	.30	.27
ROOFERS AND SLATERS	.00	.00	.00	.00	.11	.08	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.04	.07	6.46	8.00	.69	.46	.00	.00	.00	.00
FOREMEN NEC	4.42	4.70	3.60	3.59	4.37	3.97	4.33	4.35	4.34	4.34
METALWKNG CRAFTS EXC MECH	11.10	8.48	11.95	10.51	8.32	7.49	6.98	5.80	6.93	5.64
MACHINISTS AND RELATED OCC	5.64	3.67	6.83	5.34	4.47	3.70	4.80	3.99	4.85	4.01
BLKSMITHS,FOREMN,HAMMERMEN	.12	.04	.19	.14	.47	.30	.01	.01	.01	.01
BOILERMAKERS	.00	.00	1.27	1.43	.09	.06	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.25	.25	.01	.01	.07	.06	.01	.01	.01	.01
MILLWRIGHTS	.17	.16	.03	.03	.44	.46	.12	.12	.13	.12
MOLDERS,METAL,EXC COREMKRS	.09	.03	.22	.29	.38	.33	.02	.01	.03	.01
PATTERNMAKERS,METAL,WOOD	.63	.32	.44	.21	.26	.17	.21	.35	.20	.32
ROLLERS AND ROLL HANDS	.02	.02	.00	.00	.04	.02	.00	.00	.00	.00
SHEET METAL WORKERS	2.09	1.88	2.76	2.88	1.44	1.97	.44	.43	.46	.45
TOOLMAKERS AND DIEMAKERS	2.10	2.09	.19	.18	.66	.42	1.35	.88	1.23	.71
PRINTING TRADES CRAFTSMEN	.12	.17	.06	.04	.00	.00	.33	.18	.35	.20
COMPOSITORS,TYPESETTERS	.05	.05	.04	.03	.00	.00	.18	.08	.20	.09
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.02	.03	.00	.00	.00	.00	.09	.04	.10	.04
PHOTOENGRVRS,LITHOGRAPHERS	.02	.03	.02	.02	.00	.00	.01	.02	.02	.02
PRESSMEN,PLATE PRINTERS	.04	.06	.00	.00	.00	.00	.04	.04	.04	.05
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.05	.05	.05	.05	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.02	.02	.05	.05	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	7.67	6.57	3.32	3.92	3.14	4.02	2.62	2.99	2.59	2.81
AIRPLANE MECH AND REPAIRMN	5.59	4.90	.03	.02	.13	.13	.05	.05	.05	.05
MOTOR VEHICLE MECHANICS	.12	.06	.13	.11	.11	.16	.00	.00	.00	.00
OFFICE MACHINE MECHANICS	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01
RADIO AND TV MECHANICS	.16	.12	.50	.85	.03	.05	.02	.03	.03	.04
RR AND CAR SHOP MECHANICS	.00	.00	.03	.03	.61	.53	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.79	1.49	2.64	2.92	2.27	3.13	2.54	2.90	2.51	2.72

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT		PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.90	.70	4.77	4.85	3.72	3.43	3.83	3.06	3.93	3.12
BAKERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
CABINETMAKERS	.04	.01	.15	.10	1.95	1.81	.08	.12	.08	.13
CRANE,DERRICK,HOIST MEN	.10	.06	.83	.70	.80	.73	.02	.01	.02	.01
GLAZIERS	.00	.00	.00	.00	.09	.15	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.01	.01	.00	.00	.11	.08	.01	.01
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	2.18	1.48	2.34	1.59
INSPECTORS,LOG AND LUMBER	.00	.00	.01	.04	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.02	.03	.34	.68	.15	.15	.02	.00	.01	.00
UPHOLSTERERS	.16	.15	.06	.07	.01	.01	.01	.05	.01	.05
CRAFTSMEN AND KINDRED NEC	.59	.45	3.37	3.24	.70	.57	1.42	1.31	1.45	1.32
OPERATIVES AND KINDRED WORKERS	27.23	26.26	20.73	22.29	38.75	41.52	33.22	31.87	31.86	30.65
DRIVERS AND DELIVERYMEN	.48	.65	.68	.66	1.43	1.50	.40	.40	.41	.40
DRIVERS,BUS,TRUCK,TRACTOR	.42	.50	.54	.58	1.32	1.40	.29	.28	.31	.29
DELIVERYMEN AND ROUTEMEN	.07	.15	.13	.08	.12	.10	.11	.12	.10	.11
TRANSP AND PUB UTIL OPERATVS	.00	.00	.07	.14	.12	.13	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.10	.11	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.07	.14	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	13.64	11.28	9.71	10.91	16.38	19.23	12.24	11.86	11.94	11.57
FURNACEMN,SMELTRMN,POURERS	.06	.04	.07	.02	.14	.13	.01	.02	.02	.02
HEATERS,METAL	.02	.02	.02	.01	.10	.14	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	1.32	1.14	8.16	9.47	7.74	10.86	.42	.50	.43	.50
ASSEMBLERS,MTLWRK,CLASS A	2.04	1.85	.26	.29	1.51	1.61	3.62	3.81	3.47	3.68
ASSEMBLERS,MTLWRK,CLASS B	4.59	4.01	.58	.59	3.38	3.27	4.46	4.17	4.27	4.00
INSPECTORS,MTLWRK,CLASS B	2.32	2.10	.22	.23	1.16	1.17	1.92	1.77	1.92	1.77
MACHINE TOOL OPER,CLASS B	3.16	1.98	.40	.31	2.21	1.91	1.62	1.40	1.66	1.43
ELECTROPLATERS	.05	.05	.00	.00	.05	.06	.07	.07	.06	.06
ELECTROPLATERS HELPERS	.08	.08	.00	.00	.09	.09	.12	.12	.11	.11
SEMISKILLED TEXTILE OCCUP	.11	.09	.07	.08	.37	.34	.28	.27	.29	.28
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.11	.09	.06	.06	.37	.34	.28	.27	.29	.28
OTHER OPERATIVES AND KINDRED	12.99	14.23	10.20	10.50	20.44	20.31	20.30	19.34	19.22	18.39
ASBESTOS,INSULATION WRKS	.02	.04	.68	1.03	.04	.04	.01	.00	.01	.00
ATTEND,AUTO SERVICE,PARKNG	.03	.03	.00	.00	.00	.00	.02	.02	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	12.94	14.17	9.51	9.48	20.40	20.27	20.27	19.33	19.18	18.37
SERVICE WORKERS	2.03	1.70	2.09	1.68	2.24	2.24	1.50	1.22	1.54	1.25
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	1.02	.76	1.25	1.03	.99	.88	.51	.49	.51	.51
FIREMEN	.05	.11	.26	.23	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.90	.61	.90	.75	.94	.83	.50	.48	.51	.49
POLICE,OTH LAW ENFORCE OFF	.07	.04	.08	.05	.04	.04	.01	.01	.01	.02
FOOD SERVICE WORKERS	.16	.13	.09	.05	.08	.04	.18	.10	.19	.11
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.03	.04	.03	.06	.03	.03	.02	.03	.02
COUNTER AND FOUNTAIN WKRS	.10	.08	.02	.01	.02	.02	.13	.07	.14	.08
WAITERS AND WAITRESSES	.02	.02	.04	.02	.00	.00	.02	.02	.02	.02
OTHER SERVICE WORKERS	.86	.81	.75	.81	1.17	1.33	.82	.62	.84	.63
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.03	.03	.10	.18	.14	.16	.03	.05	.03	.05
JANITORS AND SEXTONS	.53	.48	.41	.40	.70	.69	.37	.34	.39	.36
NURSES,PRACTICAL	.00	.00	.03	.01	.00	.00	.01	.00	.01	.00
SERVICE WORKERS,NEC	.29	.29	.17	.18	.33	.47	.41	.23	.41	.22
LABORERS,EXCEPT FARM AND MINE	.95	.42	6.74	4.20	7.11	4.29	1.41	.83	1.46	.84
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING		TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	5.21	8.41	2.89	4.05	5.57	7.56	2.72	3.83	1.82	2.48
ENGINEERS,TECHNICAL	2.01	3.44	.67	.86	.91	1.37	.33	.53	.35	.55
ENGINEERS,AERONAUTICAL	.09	.16	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.01	.01	.32	.43	.02	.03	.02	.02
ENGINEERS,CIVIL	.00	.00	.00	.00	.05	.06	.02	.04	.01	.01
ENGINEERS,ELECTRICAL	.17	.27	.04	.06	.04	.06	.02	.03	.00	.00
ENGINEERS,INDUSTRIAL	.75	1.10	.14	.17	.14	.25	.07	.14	.14	.24
ENGINEERS,MECHANICAL	.42	.56	.11	.14	.18	.26	.11	.14	.10	.12
ENGINEERS,METALLURG,ETC	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.58	1.35	.36	.47	.16	.28	.09	.15	.08	.17
NATURAL SCIENTISTS	.26	.31	.14	.15	.90	1.46	.42	.56	.22	.30
CHEMISTS	.11	.16	.13	.15	.63	1.06	.22	.31	.09	.14
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.06	.08	.14	.18	.11	.14
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.10	.14	.03	.04	.01	.01
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.01	.02	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.02	.02	.03	.01	.01	.00	.00
PHYSICISTS	.14	.14	.00	.02	.02	.03	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.07	.11	.02	.02	.01	.01
TECHNICIANS,EXC MEDICAL,DENT	1.77	2.86	.10	.27	.93	1.68	.88	1.21	.31	.45
DRAFTSMEN	1.03	1.28	.05	.05	.15	.20	.06	.07	.04	.04
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.07	.15	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.67	1.44	.05	.22	.78	1.48	.81	1.13	.27	.40
MEDICAL,OTHER HEALTH WORKERS	.06	.06	.04	.02	.09	.10	.05	.06	.04	.04
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
NURSES,PROFESSIONAL	.06	.06	.04	.02	.04	.05	.03	.04	.04	.04
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.08	.14	.02	.03	.01	.02	.00	.01	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.08	.14	.02	.03	.01	.02	.00	.01	.00	.00
SOCIAL SCIENTISTS	.06	.04	.01	.02	.06	.06	.03	.02	.01	.01
ECONOMISTS	.06	.04	.01	.01	.03	.02	.01	.01	.00	.00
STATISTICIANS + ACTUARIES	.00	.00	.01	.01	.03	.02	.02	.01	.01	.01
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.98	1.56	1.91	2.67	2.66	3.27	1.01	1.44	.90	1.13
ACCOUNTANTS AND AUDITORS	.31	.21	.40	.32	.57	.59	.56	.68	.54	.59
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.42	.42	.27	.31	.03	.03	.03	.03
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.22	.22	.63	.83	.19	.25	.01	.01	.01	.02
EDITORS AND REPORTERS	.00	.00	.03	.04	.92	.92	.01	.01	.00	.00
LAWYERS AND JUDGES	.00	.00	.02	.02	.03	.03	.02	.02	.03	.02
LIBRARIANS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.15	.19	.17	.29	.15	.22	.15	.22	.12	.19
PHOTOGRAPHERS	.00	.00	.03	.02	.14	.21	.00	.01	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.30	.94	.21	.71	.37	.71	.23	.45	.16	.28
MANAGERS,OFFICIALS,PROPRIETORS	7.38	4.73	9.18	8.60	6.78	6.51	8.65	8.42	6.62	8.29
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.06	.09	.06	.08	.07	.05	.08	.11	.11	.11
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.58	.80	.28	.30	.29	.27	.44	.45	1.10	1.18
MANAGERS,OFFICE,PROF. NEC	6.74	3.83	8.84	8.22	6.41	6.14	8.13	7.81	5.40	7.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING		TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	14.45	14.71	13.43	13.61	12.26	12.57	11.61	12.30	10.16	10.80
STENOS, TYPISTS,SECRETARIES	3.99	4.65	3.23	3.13	2.92	3.20	2.43	2.67	1.43	1.51
OFFICE MACHINE OPERATORS	.59	1.29	.49	.00	.63	.84	.89	1.19	1.06	1.35
OTHER CLERICAL,KINDRED WRKRS	9.68	8.77	9.71	10.48	8.71	8.53	8.29	8.44	7.67	7.94
ACCOUNTING CLERKS	.23	.19	.45	.40	.59	.45	.72	.60	.67	.66
BOOKKEEPERS,HAND	1.06	.92	1.28	1.18	.73	.61	1.04	.96	.60	.61
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.08	.10	.01	.01	.09	.07	.22	.24	.12	.05
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.08	.08	1.90	1.80	1.34	1.29	1.21	.97	1.54	1.07
TELEPHONE OPERATORS	.30	.27	.18	.16	.19	.18	.14	.14	.13	.12
CLERICAL AND KINDRED,NEC	8.12	7.22	5.89	6.93	5.78	5.92	4.95	5.53	4.60	5.44
SALES WORKERS	2.34	3.16	4.55	4.74	5.01	5.66	5.11	5.32	3.89	4.63
CRAFTSMEN,FOREMEN AND KINDRED	17.91	20.24	16.01	16.59	14.39	15.16	13.72	14.31	7.39	7.83
CONSTRUCTION CRAFTSMEN	.52	.42	1.38	1.34	1.08	1.04	.77	.84	.71	.74
CARPENTERS	.13	.14	.38	.40	.21	.14	.20	.20	.17	.18
BRICKMASONS AND TILE SETRS	.04	.04	.02	.01	.03	.02	.03	.04	.02	.02
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.22	.20	.39	.35	.42	.40	.33	.34	.30	.20
EXCAVATNG,GRADNG MACH OPER	.00	.00	.00	.00	.04	.05	.03	.03	.01	.01
PAINTERS AND PAPERHANGERS	.04	.01	.47	.37	.05	.03	.05	.04	.01	.01
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.04	.01	.10	.17	.33	.38	.14	.20	.21	.31
ROOFERS AND SLATERS	.04	.02	.00	.00	.01	.01	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.02	.04	.00	.01	.00	.00	.00	.00
FOREMEN NEC	4.24	4.53	4.14	4.43	3.94	4.48	4.08	4.48	3.68	3.74
METALWKNG CRAFTS EXC MECH	7.64	7.73	3.91	4.10	.85	.86	.53	.50	.53	.48
MACHINISTS AND RELATED OCC	4.20	3.77	.32	.31	.39	.38	.29	.31	.29	.30
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.05	.02	.01	.01	.01	.01	.02	.02
BOILERMAKERS	.00	.00	.00	.00	.04	.03	.01	.01	.00	.00
HEAT TREATERS,ANNEALERS	.04	.01	.05	.03	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.08	.06	.24	.24	.15	.11	.16	.15
MOLDERS,METAL,EXC COREMKRS	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.36	.70	1.85	2.22	.02	.02	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.13	.23	.42	.42	.05	.04	.07	.04	.06	.00
TOOLMAKERS AND DIEMAKERS	2.90	3.02	1.03	.94	.09	.12	.01	.01	.00	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.69	.70	3.59	3.33	.06	.06	.03	.03
COMPOSITORS,TYPESETTERS	.00	.00	.29	.20	2.18	1.55	.05	.05	.02	.02
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.12	.05	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.31	.37	.07	.10	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.02	.02	.28	.60	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.07	.11	.93	1.03	.01	.01	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.01	5.24	2.11	2.55	2.32	3.28	2.91	4.02	1.69	2.04
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
MOTOR VEHICLE MECHANICS	.00	.00	.02	.01	.11	.10	.32	.36	.18	.18
OFFICE MACHINE MECHANICS	.00	.00	.01	.03	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	3.01	5.24	2.07	2.51	2.20	3.18	2.57	3.64	1.50	1.84

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING		TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	2.50	2.33	3.77	3.48	2.61	2.15	5.36	4.41	.75	.82
BAKERS	.00	.00	.00	.00	.92	.57	3.84	2.85	.11	.12
CABINETMAKERS	.04	.04	.33	.25	.01	.01	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.00	.00	.03	.03	.08	.09	.05	.06	.01	.01
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
JEWELERS AND WATCHMAKERS	1.34	1.03	2.27	1.51	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.33	.28	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.04	.06	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
INSPECTORS,OTHER	.04	.07	.03	.05	.03	.03	.02	.02	.03	.03
UPHOLSTERERS	.00	.00	.23	.12	.02	.02	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	1.04	1.14	.87	1.10	1.21	1.14	1.44	1.46	.60	.65
OPERATIVES AND KINDRED WORKERS	50.77	47.17	49.25	48.54	48.49	47.51	46.10	47.88	56.81	57.51
DRIVERS AND DELIVERYMEN	.30	.40	.91	1.19	4.20	4.34	13.76	17.11	5.64	6.80
DRIVERS,BUS,TRUCK,TRACTOR	.11	.15	.65	.72	1.90	1.83	4.90	5.74	4.54	4.93
DELIVERYMEN AND ROUTEMEN	.19	.24	.26	.47	2.30	2.51	8.85	11.37	1.09	1.88
TRANSP AND PUB UTIL OPERATVS	.00	.00	.01	.02	.05	.07	.01	.02	.02	.02
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00
POWER STATION OPERATORS	.00	.00	.01	.02	.04	.06	.01	.01	.01	.02
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	16.16	15.57	10.14	9.81	.21	.27	.13	.15	.15	.17
FURNACEMN,SMELTRMN,POURERS	.00	.00	.03	.09	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.36	.44	.76	.93	.21	.26	.13	.15	.15	.17
ASSEMBLERS,MTLWRK,CLASS A	5.54	5.51	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	6.82	6.21	6.40	5.93	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	1.89	1.77	1.74	1.61	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	1.11	1.11	.98	.97	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.17	.18	.10	.11	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.28	.26	.15	.16	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.08	.09	2.09	2.06	9.93	10.48	.08	.00	.05	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.58	.50	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.66	.35	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.01	.01	.79	.45	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.08	.09	2.08	2.05	7.89	9.17	.08	.00	.05	.00
OTHER OPERATIVES AND KINDRED	34.23	31.22	36.10	35.85	34.10	32.34	32.13	30.61	50.94	50.52
ASBESTOS,INSULATION WRKS	.00	.00	.01	.02	.03	.04	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.04	.02	.03	.03	.08	.08
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.01	.01	.03	.05	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00
OPERATIVES AND KINDRED,NEC	34.23	31.22	36.08	35.83	34.00	32.26	32.05	30.51	50.86	50.44
SERVICE WORKERS	1.08	.89	1.54	1.39	2.05	1.77	2.69	2.51	2.32	2.28
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.43	.35	.39	.32	.53	.34	.52	.40	.55	.44
FIREMEN	.00	.00	.00	.00	.01	.01	.00	.01	.01	.01
GUARDS,WATCHMEN,DOORKEEPRS	.43	.35	.39	.32	.51	.31	.50	.33	.47	.06
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.02	.02	.02	.06	.07	.36
FOOD SERVICE WORKERS	.00	.00	.08	.05	.17	.14	.43	.34	.26	.29
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.04	.03	.06	.06	.17	.17	.17	.20
COUNTER AND FOUNTAIN WKRS	.00	.00	.03	.02	.04	.04	.09	.06	.06	.07
WAITERS AND WAITRESSES	.00	.00	.01	.01	.06	.04	.16	.11	.03	.02
OTHER SERVICE WORKERS	.65	.54	1.06	1.02	1.35	1.29	1.74	1.77	1.51	1.54
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
CHARWOMEN AND CLEANERS	.06	.05	.12	.13	.19	.16	.17	.16	.17	.20
JANITORS AND SEXTONS	.15	.10	.53	.55	.60	.58	.68	.76	.68	.69
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00
SERVICE WORKERS,NEC	.43	.39	.42	.34	.55	.54	.88	.83	.65	.65
LABORERS,EXCEPT FARM AND MINE	.86	.69	3.15	2.08	5.45	2.86	9.39	5.44	11.00	6.17
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	DAIRY PRODUCTS		CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	2.86	3.54	3.32	4.71	5.44	8.16	.74	.86	2.94	3.57
ENGINEERS,TECHNICAL	.24	.40	.38	.62	.57	1.11	.13	.17	.32	.35
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.09	.14	.01	.01	.03	.03
ENGINEERS,CIVIL	.01	.03	.05	.10	.04	.07	.01	.01	.02	.02
ENGINEERS,ELECTRICAL	.02	.02	.03	.08	.01	.01	.01	.01	.03	.05
ENGINEERS,INDUSTRIAL	.04	.09	.05	.11	.16	.35	.01	.02	.05	.08
ENGINEERS,MECHANICAL	.12	.14	.16	.20	.14	.20	.04	.04	.13	.10
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.06	.11	.09	.14	.13	.34	.06	.08	.06	.07
NATURAL SCIENTISTS	.20	.24	.51	.59	1.12	1.62	.02	.02	.46	.53
CHEMISTS	.07	.11	.17	.24	.76	1.06	.02	.02	.40	.47
AGRICULTURAL SCIENTISTS	.06	.08	.28	.30	.13	.18	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.06	.06	.03	.03	.11	.13	.00	.00	.05	.05
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.07	.18	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.02	.00	.03	.03	.04	.06	.00	.00	.01	.01
TECHNICIANS,EXC MEDICAL,DENT	1.57	1.65	.91	1.36	1.68	2.68	.18	.22	.71	.81
DRAFTSMEN	.04	.04	.05	.06	.20	.27	.03	.03	.09	.10
SURVEYORS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
TECHNICIANS,OTHER	1.53	1.61	.85	1.28	1.47	2.41	.15	.18	.62	.70
MEDICAL,OTHER HEALTH WORKERS	.02	.02	.09	.09	.10	.13	.03	.03	.07	.07
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.01	.01	.04	.07	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	.07	.07	.03	.03	.02	.02	.05	.05
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.01	.01	.01	.01	.01	.02	.01	.01	.02	.02
VETERINARIANS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.04	.01	.01	.00	.00	.00	.00	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.04	.01	.01	.00	.00	.00	.00	.00	.00
SOCIAL SCIENTISTS	.00	.01	.02	.03	.09	.09	.00	.00	.06	.04
ECONOMISTS	.00	.00	.01	.01	.04	.04	.00	.00	.02	.02
STATISTICIANS + ACTUARIES	.00	.00	.01	.02	.05	.05	.00	.00	.03	.02
OTHER SOCIAL SCIENTISTS	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.83	1.18	1.40	2.00	1.88	2.52	.38	.42	1.33	1.77
ACCOUNTANTS AND AUDITORS	.57	.74	.75	.94	.86	.65	.25	.27	.60	.58
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.01	.01	.05	.08
ARCHITECTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	.03	.03	.05	.05	.01	.01	.08	.08
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.03	.01	.02	.00	.00	.00	.00	.01	.01
EDITORS AND REPORTERS	.01	.01	.01	.01	.01	.01	.00	.02	.00	.00
LAWYERS AND JUDGES	.01	.01	.04	.03	.03	.02	.01	.01	.04	.03
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.10	.14	.26	.37	.30	.42	.06	.06	.15	.21
PHOTOGRAPHERS	.00	.00	.00	.00	.01	.03	.00	.01	.02	.03
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
PROF,TECH,KINDRED,NEC	.13	.24	.31	.61	.61	1.14	.03	.01	.37	.74
MANAGERS,OFFICIALS,PROPRIETORS	10.15	9.97	7.35	6.82	11.64	11.20	7.32	5.23	10.84	10.41
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.11	.23	.03	.03	.20	.29	.02	.05	.01	.01
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.04	.06	.00	.00	.00	.00	.01	.02
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.23	.30	.50	.53	.60	.51	.12	.12	.15	.11
MANAGERS,OFFICE,PROP. NEC	9.82	9.45	6.78	6.20	10.85	10.40	7.18	5.07	10.68	10.27

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	DAIRY PRODUCTS		CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	12.15	15.25	14.15	13.63	12.81	10.97	9.21	8.84	11.37	10.40
STENOS, TYPISTS,SECRETARIES	1.46	1.60	6.11	5.68	3.31	3.26	.85	.78	2.66	2.48
OFFICE MACHINE OPERATORS	1.17	1.96	.35	.74	.79	.79	.88	.83	.83	.94
OTHER CLERICAL,KINDRED WRKRS	5.52	11.69	7.68	7.22	8.71	6.92	7.48	7.23	7.87	6.98
ACCOUNTING CLERKS	.84	.78	.41	.40	1.19	.70	.69	.46	.79	.64
BOOKKEEPERS,HAND	2.08	2.01	1.01	1.03	1.43	1.01	.25	.21	1.23	.95
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.27	.29	.03	.03	.10	.05	.49	.71	.20	.14
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.60	.76	.90	.67	.70	.51	1.73	1.48	.86	.48
TELEPHONE OPERATORS	.16	.17	.11	.14	.16	.15	.07	.06	.15	.14
CLERICAL AND KINDRED,NEC	5.37	7.68	5.23	4.95	5.13	4.51	4.25	4.32	4.65	4.63
SALES WORKERS	5.49	5.23	2.11	2.56	4.86	5.91	7.63	8.04	7.12	6.32
CRAFTSMEN,FOREMEN AND KINDRED	6.54	8.39	10.79	12.56	15.96	18.02	28.48	25.36	13.04	16.52
CONSTRUCTION CRAFTSMEN	.31	.22	.95	1.08	1.09	1.35	.25	.25	1.04	1.09
CARPENTERS	.11	.06	.27	.26	.19	.13	.06	.04	.29	.30
BRICKMASONS AND TILE SETRS	.02	.04	.03	.03	.03	.04	.03	.04	.02	.02
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.08	.07	.49	.55	.57	.67	.12	.13	.43	.48
EXCAVATNG,GRADNG MACH OPER	.01	.01	.04	.04	.02	.01	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.10	.05	.04	.03	.00	.00	.02	.02	.16	.13
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.11	.16	.28	.50	.02	.02	.13	.15
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	3.91	3.68	4.76	5.18	4.21	5.42	3.33	3.29	4.22	5.32
METALWKNG CRAFTS EXC MECH	.09	.04	.42	.34	1.55	1.23	.30	.28	.87	.88
MACHINISTS AND RELATED OCC	.03	.03	.26	.22	.39	.40	.26	.27	.68	.72
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.01	.01	.02	.02	.00	.00	.01	.01
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.01	.08	.04	.90	.56	.03	.01	.08	.05
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.04	.00	.04	.02	.25	.25	.00	.00	.09	.09
TOOLMAKERS AND DIEMAKERS	.01	.00	.02	.02	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.04	.04	.14	.16	.10	.08	.04	.04	.02	.03
COMPOSITORS,TYPESETTERS	.04	.04	.11	.12	.07	.04	.03	.03	.02	.03
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.01	.03	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.03	.04	.01	.01	.01	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.24	3.39	3.71	5.00	2.84	4.89	2.31	2.71	3.53	5.46
AIRPLANE MECH AND REPAIRMN	.01	.01	.00	.00	.00	.00	.00	.00	.03	.06
MOTOR VEHICLE MECHANICS	.66	.67	.07	.06	.11	.12	.47	.48	.29	.35
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	2.57	2.71	3.64	4.94	2.74	4.76	1.84	2.23	3.21	5.04

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	DAIRY PRODUCTS		CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.94	1.02	.76	.80	6.16	5.05	22.25	18.80	3.36	3.75
BAKERS	.00	.00	.04	.05	.06	.07	21.80	18.30	.04	.03
CABINETMAKERS	.00	.00	.00	.00	.01	.01	.02	.02	.00	.00
CRANE,DERRICK,HOIST MEN	.01	.01	.10	.14	.02	.00	.01	.02	.02	.03
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
INSPECTORS,OTHER	.01	.01	.00	.00	.04	.04	.03	.03	.02	.02
UPHOLSTERERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.92	1.00	.63	.61	6.02	4.52	.40	.43	3.27	3.65
OPERATIVES AND KINDRED WORKERS	51.92	53.47	47.67	50.07	32.97	35.54	39.40	46.20	40.73	43.16
DRIVERS AND DELIVERYMEN	31.26	40.57	3.03	4.55	7.18	9.40	20.22	29.48	16.67	19.33
DRIVERS,BUS,TRUCK,TRACTOR	6.87	8.87	2.61	3.42	6.64	8.30	2.95	3.79	7.89	7.20
DELIVERYMEN AND ROUTEMEN	24.38	31.70	.42	1.13	.54	1.10	17.27	25.69	8.78	12.13
TRANSP AND PUB UTIL OPERATVS	.00	.00	.02	.02	.00	.00	.01	.01	.01	.02
BRAKEMEN AND SWITCHMEN RR	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.01	.02	.00	.00	.01	.01	.01	.02
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.02	.02	.13	.12	.13	.17	.01	.01	.10	.12
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.02	.02	.13	.12	.13	.17	.01	.01	.10	.12
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.06	.00	.45	.00	.01	.00	.02	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.06	.00	.45	.00	.01	.00	.02	.00
OTHER OPERATIVES AND KINDRED	20.64	12.88	44.43	45.38	25.20	25.98	19.17	16.69	23.93	23.69
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.03	.03	.00	.00	.00	.00	.02	.02	.01	.03
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.03	.02	.02	.02	.00	.00	.01	.01	.01	.03
MEAT CUTTERS,EXC MEATPCKNG	.01	.01	.12	.15	.04	.06	.02	.02	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	20.57	12.83	44.29	45.20	25.16	25.92	19.11	16.64	23.91	23.63
SERVICE WORKERS	1.76	1.28	2.61	3.01	2.17	1.65	3.65	3.10	2.15	2.09
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.19	.07	.82	.60	.53	.26	.12	.10	.77	.45
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
GUARDS,WATCHMEN,DOORKEEPRS	.19	.07	.80	.59	.53	.26	.12	.10	.75	.43
POLICE,OTH LAW ENFORCE OFF	.00	.00	.02	.02	.00	.00	.00	.00	.01	.01
FOOD SERVICE WORKERS	.68	.36	.48	.45	.10	.15	.56	.39	.13	.12
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02
COOKS,EXC PRIV HOUSEHOLDS	.08	.06	.31	.25	.07	.08	.17	.13	.05	.06
COUNTER AND FOUNTAIN WKRS	.19	.07	.06	.06	.02	.03	.07	.04	.04	.03
WAITERS AND WAITRESSES	.41	.23	.11	.13	.01	.04	.32	.22	.01	.01
OTHER SERVICE WORKERS	.89	.84	1.51	1.97	1.54	1.24	2.97	2.61	1.25	1.52
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.01	.00	.02	.02	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.07	.04	.10	.09	.51	.38	.21	.19	.15	.23
JANITORS AND SEXTONS	.47	.59	.78	1.09	.52	.48	1.01	.93	.54	.57
NURSES,PRACTICAL	.00	.00	.04	.02	.02	.01	.00	.00	.00	.00
SERVICE WORKERS,NEC	.34	.22	.58	.75	.49	.37	1.74	1.49	.56	.72
LABORERS,EXCEPT FARM AND MINE	7.13	2.87	11.80	6.63	14.15	8.56	3.56	2.37	11.81	7.52
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.		PAPER AND ALLIED PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	3.93	5.52	1.83	3.81	1.52	2.56	1.12	1.46	5.19	7.33
ENGINEERS,TECHNICAL	.51	.78	.17	.29	.24	.51	.08	.11	1.57	2.07
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.06	.07	.06	.11	.02	.04	.00	.00	.22	.17
ENGINEERS,CIVIL	.02	.02	.02	.04	.00	.00	.00	.00	.06	.06
ENGINEERS,ELECTRICAL	.03	.04	.00	.00	.01	.01	.00	.00	.10	.10
ENGINEERS,INDUSTRIAL	.09	.20	.04	.08	.11	.24	.04	.06	.32	.51
ENGINEERS,MECHANICAL	.15	.19	.04	.04	.05	.04	.01	.01	.42	.48
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.16	.25	.02	.02	.06	.19	.02	.03	.47	.76
NATURAL SCIENTISTS	.95	1.25	.27	.54	.13	.28	.01	.04	.60	.78
CHEMISTS	.47	.62	.25	.49	.12	.27	.01	.04	.49	.58
AGRICULTURAL SCIENTISTS	.42	.50	.00	.00	.00	.00	.00	.00	.07	.13
BIOLOGICAL SCIENTISTS	.03	.07	.01	.02	.00	.00	.00	.00	.01	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.01	.01	.00	.00	.02	.05
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER NATURAL SCIENTISTS	.03	.05	.01	.03	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	1.27	2.13	.46	1.27	.21	.60	.05	.06	.87	1.71
DRAFTSMEN	.09	.10	.04	.06	.04	.01	.02	.02	.32	.38
SURVEYORS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
TECHNICIANS,OTHER	1.17	2.02	.42	1.22	.17	.59	.03	.04	.53	1.32
MEDICAL,OTHER HEALTH WORKERS	.06	.11	.07	.12	.04	.04	.01	.02	.11	.09
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.04	.04	.07	.12	.04	.04	.01	.02	.10	.08
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.00	.00	.00	.02	.01	.04	.09	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.00	.00	.00	.02	.01	.04	.09	.00	.00
SOCIAL SCIENTISTS	.06	.01	.01	.02	.01	.01	.02	.01	.09	.09
ECONOMISTS	.01	.01	.01	.02	.00	.00	.00	.00	.04	.04
STATISTICIANS + ACTUARIES	.05	.00	.00	.00	.01	.01	.01	.01	.05	.05
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER PROF,TECH AND KINDRED	1.07	1.64	.84	1.56	.87	1.53	.92	1.13	1.95	2.58
ACCOUNTANTS AND AUDITORS	.58	.82	.43	.68	.27	.33	.10	.10	.74	.82
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
WRKRS IN ARTS,ENTERTAINMNT	.03	.03	.02	.04	.03	.02	.03	.02	.19	.26
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.02	.04	.22	.49	.65	.63	.21	.34
EDITORS AND REPORTERS	.01	.02	.02	.03	.01	.01	.01	.01	.01	.02
LAWYERS AND JUDGES	.01	.01	.00	.00	.00	.01	.01	.02	.00	.02
LIBRARIANS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.15	.21	.10	.21	.12	.18	.05	.14	.26	.33
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.28	.55	.24	.54	.20	.45	.07	.21	.49	.75
MANAGERS,OFFICIALS,PROPRIETORS	8.82	9.16	4.93	6.41	3.51	4.00	4.89	3.75	5.37	4.78
CONDUCTORS,RAILROAD	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.11	.14	.09	.14	.02	.02	.05	.09	.04	.04
OFFICERS,PILOTS,ENGRS,SHIP	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.35	.54	.87	1.18	.13	.12	.17	.12	.25	.20
MANAGERS,OFFICE,PROP. NEC	8.35	8.46	3.97	5.09	3.36	3.86	4.67	3.55	5.04	4.53

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.		PAPER AND ALLIED PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	12.88	15.02	8.24	10.41	8.12	8.53	7.72	8.10	11.55	11.67
STENOS, TYPISTS,SECRETARIES	2.66	3.33	1.81	2.67	1.67	2.09	1.16	1.29	2.80	3.10
OFFICE MACHINE OPERATORS	.98	1.47	.43	.74	.34	.51	.40	.53	.49	.65
OTHER CLERICAL,KINDRED WRKRS	9.24	10.21	6.00	7.00	6.10	6.33	6.16	6.27	8.26	7.91
ACCOUNTING CLERKS	.69	.65	.58	.55	.24	.24	.29	.21	.52	.28
BOOKKEEPERS,HAND	.92	.92	.09	.09	.48	.48	.88	.76	.25	.16
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.24	.32	.00	.00	.01	.01	.02	.02	.02	.02
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	1.55	1.52	.82	.53	1.15	1.32	1.68	1.75	1.68	1.51
TELEPHONE OPERATORS	.21	.23	.05	.05	.10	.10	.07	.10	.25	.24
CLERICAL AND KINDRED,NEC	5.64	6.58	4.47	5.78	4.12	4.18	3.21	3.43	5.54	5.70
SALES WORKERS	4.41	5.58	3.36	5.48	.94	1.39	1.90	2.07	2.30	3.02
CRAFTSMEN,FOREMEN AND KINDRED	12.31	14.95	11.07	16.79	11.41	13.14	4.68	5.45	16.46	20.58
CONSTRUCTION CRAFTSMEN	1.45	1.47	1.03	1.47	.76	.56	.09	.08	2.35	2.49
CARPENTERS	.37	.39	.35	.38	.23	.12	.03	.03	.36	.29
BRICKMASONS AND TILE SETRS	.06	.06	.00	.00	.02	.01	.00	.00	.05	.04
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ELECTRICIANS	.55	.47	.36	.45	.35	.34	.03	.02	1.08	1.04
EXCAVATNG,GRADNG MACH OPER	.14	.10	.00	.00	.01	.01	.01	.01	.09	.10
PAINTERS AND PAPERHANGERS	.03	.02	.03	.03	.02	.01	.01	.00	.06	.04
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
PLUMBERS AND PIPEFITTERS	.30	.43	.26	.59	.12	.07	.01	.01	.68	.95
ROOFERS AND SLATERS	.00	.00	.03	.03	.01	.01	.00	.00	.01	.01
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
FOREMEN NEC	4.85	5.37	4.66	5.91	4.28	4.66	2.90	3.09	4.77	6.20
METALWKNG CRAFTS EXC MECH	.66	.75	1.25	2.06	.56	.35	.08	.12	2.73	2.74
MACHINISTS AND RELATED OCC	.25	.35	.95	1.59	.40	.28	.02	.04	.86	.81
BLKSMITHS,FORGMN,HAMMERMEN	.04	.05	.00	.00	.01	.00	.00	.00	.03	.02
BOILERMAKERS	.03	.04	.00	.00	.01	.01	.00	.00	.03	.02
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.22	.23	.12	.19	.09	.03	.01	.01	1.44	1.46
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.01	.01	.01	.04	.02	.02	.03	.04	.03	.03
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.09	.07	.12	.19	.03	.01	.00	.00	.08	.08
TOOLMAKERS AND DIEMAKERS	.01	.01	.05	.05	.02	.00	.03	.03	.27	.31
PRINTING TRADES CRAFTSMEN	.10	.06	.07	.10	.11	.06	.08	.07	1.84	2.07
COMPOSITORS,TYPESETTERS	.08	.04	.06	.00	.06	.02	.06	.05	1.23	1.19
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.06	.00	.00	.00	.00	.01	.01
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.04	.03	.01	.01	.06	.07
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.06
PRESSMEN,PLATE PRINTERS	.02	.02	.01	.04	.01	.01	.01	.01	.51	.74
TRANSPORT AND PUB UTIL CRAFT	.01	.01	.00	.00	.02	.03	.00	.00	.02	.02
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.01	.03	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.01	.01	.00	.00	.00	.00	.00	.00	.02	.02
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.48	5.36	3.04	5.37	2.67	4.34	.70	1.00	3.28	5.46
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
MOTOR VEHICLE MECHANICS	.28	.56	.00	.00	.02	.01	.00	.00	.07	.06
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.00
OTHER MECHANICS AND REPAIR	3.19	4.79	3.04	5.37	2.65	4.32	.69	1.00	3.19	5.38

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.		PAPER AND ALLIED PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	1.76	1.91	1.02	1.88	3.01	2.55	.84	1.09	1.47	1.60
BAKERS	.20	.22	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.01	.02	.00	.00	.01	.01
CRANE,DERRICK,HOIST MEN	.21	.16	.00	.00	.02	.03	.00	.00	.37	.42
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	2.66	2.62	.03	.02	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.01	.01	.00	.00	.00	.00	.00	.00	.14	.18
INSPECTORS,OTHER	.02	.05	.67	1.31	.01	.01	.00	.00	.02	.01
UPHOLSTERERS	.01	.00	.03	.02	.05	.06	.06	.08	.00	.02
CRAFTSMEN AND KINDRED NEC	1.31	1.48	.30	.54	.27	.21	.74	.99	.92	.96
OPERATIVES AND KINDRED WORKERS	43.43	40.04	58.07	46.51	67.50	64.50	77.42	77.31	48.80	46.89
DRIVERS AND DELIVERYMEN	5.60	8.21	.79	1.03	.59	.68	.31	.48	2.10	2.06
DRIVERS,BUS,TRUCK,TRACTOR	4.07	5.78	.61	.64	.55	.65	.19	.22	1.99	1.92
DELIVERYMEN AND ROUTEMEN	1.53	2.43	.18	.39	.04	.03	.13	.26	.11	.14
TRANSP AND PUB UTIL OPERATVS	.03	.03	.00	.00	.01	.01	.08	.19	.09	.08
BRAKEMEN AND SWITCHMEN RR	.02	.02	.00	.00	.00	.00	.00	.00	.02	.02
POWER STATION OPERATORS	.01	.01	.00	.00	.01	.01	.08	.18	.07	.06
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
SEMISKILLED METALWORKING OCC	.39	.43	.10	.23	.11	.13	.03	.05	.47	.55
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.39	.43	.10	.23	.10	.13	.03	.05	.47	.55
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.20	.00	.09	.00	23.01	19.41	38.50	43.91	.42	.20
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	4.79	4.89	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	5.25	3.18	.01	.01	.01	.01
WEAVERS,TEXTILE	.00	.00	.00	.00	6.44	4.27	.05	.04	.00	.00
SEWERS AND STITCHERS,MFG	.20	.00	.09	.00	6.53	7.07	38.45	43.86	.41	.19
OTHER OPERATIVES AND KINDRED	37.22	31.37	57.09	45.25	43.78	44.26	38.50	32.67	45.72	44.00
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
ATTEND,AUTO SERVICE,PARKNG	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.03	.03	.00	.00	.04	.02	.17	.08	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.06	.10	.00	.00	.02	.02	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	37.12	31.22	57.09	45.25	43.73	44.23	38.33	32.59	45.69	43.98
SERVICE WORKERS	3.71	3.56	3.94	4.33	2.12	1.67	1.13	1.17	2.11	2.00
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.88	.78	.69	.59	.61	.38	.22	.17	.72	.54
FIREMEN	.01	.03	.00	.00	.00	.00	.00	.00	.01	.02
GUARDS,WATCHMEN,DOORKEEPRS	.87	.75	.69	.59	.56	.36	.22	.17	.70	.52
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.05	.02	.00	[illegible]	.01	.00
FOOD SERVICE WORKERS	.54	.46	.12	.26	.05	.05	.06	.05	.12	.09
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.34	.30	.08	.16	.02	.01	.01	.01	.06	.05
COUNTER AND FOUNTAIN WRKS	.13	.12	.02	.04	.01	.01	.02	.02	.03	.02
WAITERS AND WAITRESSES	.07	.05	.02	.06	.03	.04	.03	.02	.03	.03
OTHER SERVICE WORKERS	2.29	2.32	3.13	3.48	1.45	1.24	.84	.95	1.26	1.37
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.15	.16	1.00	1.25	.65	.39	.09	.13	.13	.13
JANITORS AND SEXTONS	.62	.75	.83	1.11	.49	.49	.29	.38	.74	.89
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	1.51	1.41	1.31	1.13	.30	.36	.47	.44	.39	.35
LABORERS,EXCEPT FARM AND MINE	10.50	5.78	8.56	6.27	4.89	3.39	1.15	.71	8.21	3.74
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING		CHEMICALS AND ALLIED PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	6.31	9.05	4.07	6.06	4.26	6.50	10.05	10.50	17.36	25.30
ENGINEERS,TECHNICAL	1.89	2.26	1.27	1.84	1.28	2.10	.11	.15	4.00	5.46
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
ENGINEERS,CHEMICAL	.39	.39	.03	.01	.09	.04	.00	.00	2.05	2.50
ENGINEERS,CIVIL	.09	.06	.05	.08	.02	.02	.00	.00	.16	.22
ENGINEERS,ELECTRICAL	.15	.15	.02	.02	.09	.15	.02	.02	.18	.23
ENGINEERS,INDUSTRIAL	.29	.39	.32	.45	.37	.76	.04	.07	.39	.60
ENGINEERS,MECHANICAL	.51	.57	.39	.55	.25	.26	.02	.02	.72	1.06
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.05	.15
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER ENGINEERS,TECHNICAL	.47	.69	.46	.73	.47	.88	.02	.04	.38	.67
NATURAL SCIENTISTS	.94	1.30	.18	.21	.44	.74	.03	.02	5.73	8.44
CHEMISTS	.75	.96	.17	.21	.34	.51	.02	.02	3.94	6.08
AGRICULTURAL SCIENTISTS	.15	.33	.00	.00	.00	.00	.00	.00	.16	.23
BIOLOGICAL SCIENTISTS	.02	.01	.00	.00	.00	.00	.00	.00	.78	.97
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.04
MATHEMATICIANS	.00	.00	.00	.00	.10	.16	.00	.00	.08	.17
PHYSICISTS	.01	.00	.00	.00	.01	.05	.00	.00	.14	.13
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.61	.77
TECHNICIANS,EXC MEDICAL,DENT	1.24	2.72	.53	1.07	.52	1.11	.18	.40	3.95	6.88
CRAFTSMEN	.31	.34	.36	.47	.29	.31	.12	.18	.46	.57
SURVEYORS	.02	.03	.00	.00	.00	.00	.00	.00	.01	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.01	.02	.00	.00	.01	.01	.00	.00	.00	.00
TECHNICIANS,OTHER	.90	2.32	.16	.60	.22	.79	.06	.23	3.47	6.30
MEDICAL,OTHER HEALTH WORKERS	.18	.19	.04	.04	.02	.03	.04	.03	.41	.41
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
NURSES,PROFESSIONAL	.16	.16	.04	.04	.02	.03	.02	.02	.08	.12
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.21	.14
PHYSICIANS AND SURGEONS	.01	.01	.00	.00	.00	.00	.00	.00	.05	.05
PSYCHOLOGISTS	.02	.02	.00	.00	.00	.00	.00	.00	.01	.01
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.01	.01	.04	.05
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
TEACHERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
SOCIAL SCIENTISTS	.10	.10	.09	.09	.09	.10	.08	.09	.15	.13
ECONOMISTS	.04	.05	.02	.02	.05	.05	.02	.01	.10	.06
STATISTICIANS + ACTUARIES	.05	.05	.06	.05	.03	.05	.04	.00	.05	.06
OTHER SOCIAL SCIENTISTS	.00	.00	.02	.02	.00	.00	.02	.08	.00	.01
OTHER PROF,TECH AND KINDRED	1.95	2.49	1.96	2.82	1.91	2.42	9.62	9.80	3.10	3.96
ACCOUNTANTS AND AUDITORS	.78	.81	.65	.89	.72	.75	.46	.40	1.14	1.15
AIRPLANE PILOTS,NAVIGATORS	.01	.01	.03	.03	.02	.02	.00	.00	.02	.03
ARCHITECTS	.00	.00	.01	.01	.02	.04	.01	.01	.00	.01
WRKRS IN ARTS,ENTERTAINMNT	.06	.06	.16	.15	.51	.65	1.49	1.55	.10	.18
CLERGYMEN	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.07	.06	.50	.82	.12	.14	.08	.11	.06	.09
EDITORS AND REPORTERS	.02	.03	.00	.00	.01	.02	6.15	5.[illegible]9	.06	.09
LAWYERS AND JUDGES	.00	.00	.01	.02	.00	.03	.03	.02	.05	.06
LIBRARIANS	.00	.00	.00	.00	.00	.00	.02	.02	.04	.05
PERSONNEL AND LAB REL WRKS	.27	.30	.28	.38	.22	.31	.08	.10	.33	.40
PHOTOGRAPHERS	.02	.02	.01	.02	.02	.02	.90	1.22	.05	.07
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.73	1.20	.25	.49	.27	.43	.39	.67	1.20	1.83
MANAGERS,OFFICIALS,PROPRIETORS	4.45	4.91	5.78	4.34	6.86	5.11	9.25	9.87	8.10	7.00
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.09	.09	.03	.03	.08	.08	.12	.11
OFFICERS,PILOTS,ENGRS,SHIP	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.35	.30	.22	.13	.25	.15	.09	.06	.50	.47
MANAGERS,OFFICE,PROP. NEC	4.09	4.60	5.46	4.12	6.58	4.93	9.08	9.72	7.48	6.42

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING		CHEMICALS AND ALLIED PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	9.85	9.76	12.04	12.07	14.62	13.82	19.39	19.04	15.91	14.07
STENOS, TYPISTS,SECRETARIES	2.68	3.17	2.70	2.94	3.22	3.20	4.82	5.07	5.43	5.19
OFFICE MACHINE OPERATORS	.39	.50	.47	.61	.74	.92	.62	.76	.80	1.14
OTHER CLERICAL,KINDRED WRKRS	6.79	6.09	8.86	8.52	10.66	9.70	13.96	13.22	9.69	7.73
ACCOUNTING CLERKS	.53	.26	.49	.33	.52	.24	.85	.55	.95	.70
BOOKKEEPERS,HAND	.00	.00	.51	.26	.46	.25	.99	.70	.30	.26
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.01	.01	.02	.02	.03	.03	.09	.05	.06	.04
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	1.23	.96	2.04	1.86	2.16	1.86	.84	.76	1.56	1.12
TELEPHONE OPERATORS	.20	.19	.29	.27	.28	.26	.36	.34	.30	.20
CLERICAL AND KINDRED,NEC	4.81	4.67	5.51	5.77	7.21	7.06	10.82	10.81	6.93	5.42
SALES WORKERS	1.35	1.86	3.23	3.35	3.15	4.24	17.36	19.42	3.22	3.28
CRAFTSMEN,FOREMEN AND KINDRED	18.61	24.56	13.86	17.50	15.23	18.76	28.73	25.55	15.72	16.20
CONSTRUCTION CRAFTSMEN	3.86	4.86	.71	.70	1.22	1.37	.29	.19	3.04	2.67
CARPENTERS	.53	.51	.14	.07	.26	.25	.05	.02	.45	.20
BRICKMASONS AND TILE SETRS	.09	.08	.00	.00	.02	.02	.01	.01	.07	.06
CEMENT,CONCRETE FINISHERS	.00	.00	.01	.01	.02	.02	.00	.00	.01	.02
ELECTRICIANS	1.71	1.80	.43	.49	.59	.65	.12	.09	1.07	.91
EXCAVATNG,GRADNG MACH OPER	.18	.24	.02	.02	.02	.01	.01	.01	.17	.18
PAINTERS AND PAPERHANGERS	.08	.06	.04	.02	.06	.04	.04	.02	.12	.05
PLASTERERS	.01	.01	.00	.00	.00	.00	.01	.01	.00	.00
PLUMBERS AND PIPEFITTERS	1.27	2.15	.06	.07	.24	.36	.04	.02	1.13	1.21
ROOFERS AND SLATERS	.00	.00	.01	.01	.02	.02	.00	.00	.01	.02
STRUCTURAL METALWORKERS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
FOREMEN NEC	4.74	6.20	4.85	6.44	4.71	5.90	2.13	2.44	5.30	5.67
METALWKNG CRAFTS EXC MECH	4.02	4.71	1.47	1.51	1.58	1.48	.34	.38	1.60	1.28
MACHINISTS AND RELATED OCC	1.01	1.05	.58	.58	.88	.74	.29	.32	.63	.50
BLKSMITHS,FORGMN,HAMMERMEN	.07	.05	.00	.00	.01	.02	.00	.00	.05	.05
BOILERMAKERS	.04	.04	.00	.00	.03	.03	.00	.00	.12	.11
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	2.66	3.29	.15	.15	.49	.50	.01	.01	.56	.45
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.03	.03	.02	.02	.03	.04	.00	.00	.02	.02
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.14	.18	.01	.01	.02	.02	.01	.01	.16	.12
TOOLMAKERS AND DIEMAKERS	.07	.07	.71	.74	.13	.13	.04	.04	.06	.04
PRINTING TRADES CRAFTSMEN	.44	.29	3.05	2.99	3.32	3.41	22.81	19.43	.15	.11
COMPOSITORS,TYPESETTERS	.30	.16	1.93	1.68	2.31	2.02	13.76	8.81	.13	.08
ELECTROTYPERS,STEREOTYPERS	.00	.00	.02	.02	.02	.02	.78	.33	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.02	.01	.03	.02	.19	.21	.41	.55	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.02	.02	.08	.08	.05	.08	1.90	3.74	.00	.01
PRESSMEN,PLATE PRINTERS	.10	.10	.99	1.20	.75	1.09	5.96	6.01	.02	.03
TRANSPORT AND PUB UTIL CRAFT	.03	.03	.01	.01	.03	.03	.01	.01	.03	.03
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
LOCOMOTIVE ENGINEERS	.03	.03	.01	.01	.03	.03	.00	.00	.02	.02
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.22	5.46	3.13	5.06	3.64	5.94	.87	1.09	3.93	5.20
AIRPLANE MECH AND REPAIRMN	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.08	.07	.07	.06	.05	.05	.02	.01	.09	.07
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.02	.04	.02	.02	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	3.10	5.37	3.06	5.00	3.57	5.84	.83	1.07	3.84	5.13

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING		CHEMICALS AND ALLIED PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	2.30	3.00	.64	.79	.73	.63	2.27	2.01	1.66	1.24
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.03	.01	.00	.00	.03	.03	.01	.01
CRANE,DERRICK,HOIST MEN	.67	.90	.12	.20	.04	.03	.02	.02	.20	.17
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.28	.47	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.02	.02	.00	.00	.04	.00	.00	.00	.06	.07
UPHOLSTERERS	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	1.30	1.59	.49	.59	.66	.52	2.21	1.96	1.36	.96
OPERATIVES AND KINDRED WORKERS	46.39	42.80	52.44	51.08	49.21	47.51	12.34	13.23	29.95	30.01
DRIVERS AND DELIVERYMEN	2.20	2.07	2.57	2.94	1.26	.97	1.46	1.59	1.90	1.72
DRIVERS,BUS,TRUCK,TRACTOR	2.14	2.06	2.35	2.60	1.19	.91	.77	.71	1.73	1.46
DELIVERYMEN AND ROUTEMEN	.06	.01	.22	.34	.06	.06	.69	.88	.17	.26
TRANSP AND PUB UTIL OPERATVS	.15	.15	.01	.01	.07	.06	.00	.00	.12	.11
BRAKEMEN AND SWITCHMEN RR	.05	.05	.00	.00	.00	.00	.00	.00	.01	.01
POWER STATION OPERATORS	.10	.10	.01	.01	.07	.06	.00	.00	.10	.10
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
SEMISKILLED METALWORKING OCC	.80	1.12	.11	.12	.26	.29	.01	.01	.67	.81
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.80	1.12	.11	.12	.26	.29	.01	.01	.66	.80
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.15	.01	.40	.00	1.03	.70	.14	.05	.28	.18
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.02	.01	.00	.00	.00	.00	.00	.00	.17	.16
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
SEWERS AND STITCHERS,MFG	.13	.00	.40	.00	1.03	.70	.14	.05	.09	.00
OTHER OPERATIVES AND KINDRED	43.10	39.45	49.35	48.01	46.60	45.49	10.72	11.57	26.98	27.19
ASBESTOS,INSULATION WRKS	.03	.03	.01	.01	.00	.00	.00	.00	.12	.14
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.02	.01	.00	.00	.01	.01	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
MEAT CUTTERS,EXC MEATPCKNG	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	43.06	39.41	49.32	47.99	46.60	45.49	10.71	11.56	26.82	27.02
SERVICE WORKERS	2.43	2.37	1.74	1.74	1.89	1.79	1.44	1.30	2.78	1.96
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.96	.75	.35	.28	.70	.55	.21	.11	1.13	.54
FIREMEN	.01	.01	.01	.02	.02	.02	.00	.00	.02	.01
GUARDS,WATCHMEN,DOORKEEPRS	.93	.73	.34	.26	.68	.53	.20	.10	1.08	.50
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.00	.00	.01	.01	.03	.02
FOOD SERVICE WORKERS	.20	.17	.03	.04	.08	.05	.04	.03	.17	.21
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.11	.09	.02	.02	.02	.01	.01	.01	.04	.05
COUNTER AND FOUNTAIN WKRS	.04	.02	.01	.02	.03	.02	.01	.01	.09	.10
WAITERS AND WAITRESSES	.05	.05	.00	.00	.03	.02	.01	.01	.05	.07
OTHER SERVICE WORKERS	1.27	1.45	1.36	1.42	1.12	1.19	1.19	1.16	1.48	1.20
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.17	.23	.08	.08	.09	.06	.11	.11	.12	.15
JANITORS AND SEXTONS	.71	.85	.83	.92	.70	.90	.57	.49	.85	.50
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.39	.37	.45	.42	.33	.23	.50	.56	.51	.55
LABORERS,EXCEPT FARM AND MINE	10.62	4.70	6.84	3.86	4.78	2.26	1.43	1.11	6.94	2.18
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS		PETROLEUM REFINING AND COAL PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	14.41	21.41	27.76	35.52	14.07	16.67	16.17	24.30	15.57	24.61
ENGINEERS,TECHNICAL	4.57	6.77	1.43	1.50	1.62	1.51	4.66	6.47	4.72	7.07
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
ENGINEERS,CHEMICAL	1.11	1.23	.50	.63	.95	1.06	2.57	3.29	1.91	3.25
ENGINEERS,CIVIL	.05	.08	.07	.05	.05	.05	.23	.31	.54	.70
ENGINEERS,ELECTRICAL	.16	.20	.05	.06	.00	.00	.23	.31	.14	.34
ENGINEERS,INDUSTRIAL	.90	1.52	.28	.46	.15	.20	.37	.54	.28	.42
ENGINEERS,MECHANICAL	1.59	2.25	.34	.40	.05	.05	.76	1.14	.82	1.14
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.13	.23	.02	.02
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.01	.01	.49	.43
OTHER ENGINEERS,TECHNICAL	.75	1.49	.19	.30	.42	.56	.36	.64	.52	.77
NATURAL SCIENTISTS	4.07	5.22	12.80	16.54	6.60	5.47	4.55	6.97	2.41	4.15
CHEMISTS	2.19	3.20	4.42	7.24	6.55	5.40	3.77	5.50	1.84	2.87
AGRICULTURAL SCIENTISTS	.00	.00	.42	.51	.00	.00	.15	.22	.01	.01
BIOLOGICAL SCIENTISTS	.00	.00	4.47	5.04	.00	.00	.29	.30	.02	.02
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.04	.07	.36	.94
MATHEMATICIANS	.00	.00	.10	.20	.00	.00	.10	.20	.05	.19
PHYSICISTS	.06	.11	.02	.03	.05	.07	.18	.24	.08	.12
OTHER NATURAL SCIENTISTS	1.81	1.90	3.36	3.52	.00	.00	.03	.04	.01	.01
TECHNICIANS,EXC MEDICAL,DENT	3.31	5.52	6.10	8.77	4.02	5.35	3.62	6.83	3.41	6.03
DRAFTSMEN	.27	.29	.27	.29	.11	.12	.56	.72	.48	.52
SURVEYORS	.00	.00	.00	.00	.03	.03	.01	.01	.04	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	3.04	5.23	5.83	8.48	3.88	5.19	3.04	6.09	2.89	5.50
MEDICAL,OTHER HEALTH WORKERS	.22	.18	1.99	1.53	.02	.02	.19	.24	.14	.17
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
NURSES,PROFESSIONAL	.15	.13	.08	.13	.02	.02	.09	.13	.06	.09
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	1.53	.90	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.03	.02	.20	.22	.00	.00	.01	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.03	.02	.04	.05
TECHNICIANS,MEDICAL,DENTAL	.04	.03	.10	.10	.00	.00	.01	.01	.01	.01
VETERINARIANS	.00	.00	.08	.18	.00	.00	.03	.05	.03	.03
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.03	.03	.01	.01	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.03	.03	.01	.01	.00	.00
SOCIAL SCIENTISTS	.09	.03	.34	.35	.08	.07	.14	.11	.34	.42
ECONOMISTS	.05	.02	.15	.12	.02	.02	.10	.06	.21	.25
STATISTICIANS + ACTUARIES	.04	.02	.16	.17	.06	.06	.03	.05	.12	.11
OTHER SOCIAL SCIENTISTS	.00	.00	.03	.06	.00	.00	.00	.00	.02	.02
OTHER PROF,TECH AND KINDRED	2.16	3.68	5.10	6.44	1.70	1.83	2.99	3.68	4.56	6.76
ACCOUNTANTS AND AUDITORS	.46	.45	1.31	1.26	1.24	1.21	1.18	1.23	2.83	2.74
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.02	.05	.07	.16
ARCHITECTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.22	.35	.03	.04	.09	.18	.05	.10
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.06	.10	.00	.00	.08	.11	.06	.05
EDITORS AND REPORTERS	.14	.17	.24	.38	.03	.03	.03	.02	.05	.06
LAWYERS AND JUDGES	.15	.09	.17	.14	.03	.02	.07	.05	.33	.27
LIBRARIANS	.00	.00	.04	.03	.02	.02	.04	.07	.02	.04
PERSONNEL AND LAB REL WRKS	.39	.45	.39	.44	.10	.15	.34	.40	.44	.53
PHOTOGRAPHERS	.00	.00	.02	.04	.00	.00	.07	.10	.04	.03
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PROF,TECH,KINDRED,NEC	1.01	2.52	2.65	3.68	.26	.35	1.07	1.46	.65	2.76
MANAGERS,OFFICIALS,PROPRIETORS	1.95	1.55	9.47	8.73	12.03	11.87	8.16	6.92	7.27	6.72
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.12	.14	.40	.42	.10	.09	.24	.28
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.14	.18
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.12	.07	.46	.28	.44	.52	.56	.57	.38	.33
MANAGERS,OFFICE,PROP. NEC	1.83	1.48	8.90	8.31	11.19	10.54	7.50	6.26	6.51	5.94

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS		PETROLEUM REFINING AND COAL PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	7.58	6.72	21.49	18.08	20.69	16.75	15.38	13.78	18.05	18.55
STENOS, TYPISTS,SECRETARIES	2.35	2.06	8.21	9.08	5.40	5.14	5.29	4.79	5.46	6.05
OFFICE MACHINE OPERATORS	.45	.60	1.21	1.63	1.82	2.38	.66	.98	1.06	1.66
OTHER CLERICAL,KINDRED WRKRS	4.78	4.06	12.07	7.36	13.46	11.23	9.43	8.01	11.53	10.84
ACCOUNTING CLERKS	.55	.48	1.13	.76	1.38	1.26	.91	.66	.97	1.05
BOOKKEEPERS,HAND	.00	.00	.22	.16	.98	.90	.28	.25	.87	.90
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.04	.03	.06	.04	.11	.14	.06	.03	.09	.10
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.41	.31	2.10	1.73	3.15	3.02	1.43	.89	.47	.48
TELEPHONE OPERATORS	.17	.10	.22	.17	.53	.49	.30	.19	.35	.29
CLERICAL AND KINDRED,NEC	3.60	3.13	8.34	4.50	7.30	5.44	6.46	5.99	8.79	8.03
SALES WORKERS	.44	.61	2.50	4.60	6.57	8.41	3.32	2.82	2.08	2.30
CRAFTSMEN,FOREMEN AND KINDRED	20.75	22.79	9.12	10.04	8.00	7.97	17.16	17.50	20.86	20.03
CONSTRUCTION CRAFTSMEN	3.80	2.49	1.57	1.57	.90	.76	3.45	3.16	4.80	4.52
CARPENTERS	.81	.37	.15	.13	.13	.09	.50	.20	.77	.59
BRICKMASONS AND TILE SETRS	.00	.00	.05	.05	.00	.00	.09	.08	.12	.08
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.01	.03	.01	.01
ELECTRICIANS	1.51	1.16	.73	.75	.28	.24	1.17	.99	1.11	1.07
EXCAVATNG,GRADNG MACH OPER	.05	.03	.02	.02	.06	.04	.22	.26	.17	.21
PAINTERS AND PAPERHANGERS	.19	.03	.13	.10	.18	.10	.11	.04	.17	.09
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	1.20	.89	.48	.53	.26	.30	1.34	1.53	2.33	2.26
ROOFERS AND SLATERS	.04	.01	.00	.00	.00	.00	.01	.03	.09	.17
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.04	.04
FOREMEN NEC	6.91	7.48	3.81	4.01	4.07	3.76	5.51	5.98	5.02	5.09
METALWKNG CRAFTS EXC MECH	2.52	2.26	.21	.28	.42	.32	1.87	1.46	2.40	1.87
MACHINISTS AND RELATED OCC	.70	.64	.00	.00	.07	.07	.80	.65	1.21	.94
BLKSMITHS,FORGMN,HAMMERMEN	.04	.02	.00	.00	.00	.00	.06	.07	.03	.04
BOILERMAKERS	.04	.04	.00	.00	.00	.00	.16	.15	.90	.70
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	1.29	1.14	.03	.02	.28	.20	.60	.47	.14	.15
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.44	.42	.16	.26	.03	.02	.14	.05	.06	.02
TOOLMAKERS AND DIEMAKERS	.00	.00	.02	.00	.03	.03	.08	.05	.06	.02
PRINTING TRADES CRAFTSMEN	.00	.00	.40	.37	.25	.17	.12	.06	.11	.13
COMPOSITORS,TYPESETTERS	.00	.00	.33	.30	.22	.09	.10	.03	.03	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.03	.08	.00	.00	.02	.02
PRESSMEN,PLATE PRINTERS	.00	.00	.07	.07	.00	.00	.02	.03	.06	.07
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.00	.00	.04	.04	.04	.03
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.01	.01	.03	.01
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.03	.03	.01	.02
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	5.26	8.24	2.56	3.23	1.64	1.96	4.27	5.54	4.20	5.01
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.03	.04
MOTOR VEHICLE MECHANICS	.06	.07	.06	.06	.06	.03	.10	.08	.44	.38
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER MECHANICS AND REPAIR	5.21	8.17	2.53	3.17	1.58	1.93	4.16	5.46	3.71	4.56

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS		PETROLEUM REFINING AND COAL PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	2.26	2.32	.54	.58	.72	.59	1.90	1.25	4.29	3.38
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00
CRANE,DERRICK,HOIST MEN	.12	.11	.00	.00	.03	.02	.26	.24	.34	.40
GLAZIERS	.00	.00	.00	.00	.25	.36	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.07	.05	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
INSPECTORS,OTHER	.02	.00	.02	.04	.03	.05	.07	.10	.13	.05
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	2.06	2.16	.53	.54	.41	.56	1.53	.91	3.80	2.92
OPERATIVES AND KINDRED WORKERS	46.65	42.15	23.58	18.78	29.81	27.80	29.08	30.93	25.81	22.81
DRIVERS AND DELIVERYMEN	.51	.73	.75	.81	1.33	1.31	2.34	2.13	3.90	4.03
DRIVERS,BUS,TRUCK,TRACTOR	.48	.70	.56	.57	1.22	1.12	2.15	1.83	3.46	3.54
DELIVERYMEN AND ROUTEMEN	.03	.03	.19	.24	.11	.20	.19	.31	.44	.49
TRANSP AND PUB UTIL OPERATVS	.43	.36	.00	.00	.00	.00	.11	.11	.25	.33
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.02	.01	.04	.04
POWER STATION OPERATORS	.43	.36	.00	.00	.00	.00	.09	.09	.05	.10
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.01	.01	.16	.19
SEMISKILLED METALWORKING OCC	.71	.56	.13	.17	.09	.06	.83	1.02	1.21	1.15
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.71	.56	.13	.17	.09	.06	.81	1.00	1.21	1.15
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	2.12	1.70	.02	.00	.06	.00	.13	.00	.01	.01
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	1.99	1.56	.00	.00	.00	.00	.01	.00	.00	.00
WEAVERS,TEXTILE	.12	.15	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.02	.00	.06	.00	.12	.00	.01	.01
OTHER OPERATIVES AND KINDRED	42.88	38.40	23.08	17.80	28.33	26.43	25.67	27.67	20.44	17.29
ASBESTOS,INSULATION WRKS	.23	.28	.08	.11	.03	.03	.12	.13	.53	.65
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.01	.02	.00	.00	.00	.00	.07	.01
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.03	.02	.02	.02
LAUNDRY,DRY CLEANING OPER	.07	.07	.00	.00	.00	.00	.01	.01	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	42.59	38.05	22.98	17.67	28.29	26.40	25.50	27.50	19.81	16.61
SERVICE WORKERS	3.16	2.69	3.04	2.74	2.14	1.52	2.76	1.71	2.09	1.36
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.90	.75	.75	.67	.96	.68	1.24	.46	.90	.46
FIREMEN	.00	.00	.00	.00	.00	.00	.03	.02	.10	.09
GUARDS,WATCHMEN,DOORKEEPRS	.83	.68	.75	.67	.96	.68	1.18	.41	.79	.36
POLICE,OTH LAW ENFORCE OFF	.07	.07	.00	.00	.00	.00	.03	.02	.01	.01
FOOD SERVICE WORKERS	.37	.23	.25	.17	.05	.03	.15	.24	.14	.16
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.02	.06	.04	.00	.00	.04	.06	.11	.13
COUNTER AND FOUNTAIN WKRS	.27	.15	.16	.10	.05	.03	.05	.10	.00	.00
WAITERS AND WAITRESSES	.07	.06	.04	.04	.00	.00	.05	.08	.02	.03
OTHER SERVICE WORKERS	1.89	1.71	2.03	1.89	1.12	.81	1.37	1.01	1.05	.74
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.11	.09	.10	.12	.13	.12	.12	.16	.04	.01
JANITORS AND SEXTONS	1.17	.95	.88	.78	.51	.34	.84	.39	.61	.30
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.61	.67	1.05	1.00	.49	.34	.40	.46	.41	.44
LABORERS,EXCEPT FARM AND MINE	5.07	2.08	2.65	1.51	6.69	5.01	7.98	2.04	8.27	3.62
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS		MISCELLANEOUS PLASTIC PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	17.47	28.52	5.77	7.64	4.93	6.23	5.22	6.94	4.32	5.42
ENGINEERS,TECHNICAL	5.37	8.22	1.34	2.06	1.39	1.79	1.39	1.91	1.40	1.67
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	2.20	3.88	.38	.54	.23	.25	.20	.20	.29	.31
ENGINEERS,CIVIL	.63	.82	.11	.18	.01	.02	.02	.02	.01	.01
ENGINEERS,ELECTRICAL	.16	.42	.00	.00	.06	.08	.06	.07	.07	.10
ENGINEERS,INDUSTRIAL	.31	.47	.11	.16	.33	.53	.37	.72	.24	.31
ENGINEERS,MECHANICAL	.92	1.31	.27	.40	.19	.20	.17	.17	.22	.23
ENGINEERS,METALLURG,ETC	.01	.01	.05	.08	.00	.02	.01	.03	.00	.00
ENGINEERS,MINING	.59	.52	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.54	.79	.42	.70	.56	.70	.56	.71	.56	.70
NATURAL SCIENTISTS	2.64	4.75	1.23	1.57	.55	.64	.66	.82	.34	.43
CHEMISTS	1.98	3.19	1.12	1.48	.51	.58	.62	.78	.29	.35
AGRICULTURAL SCIENTISTS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.43	1.15	.03	.04	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.11	.22	.02	.02	.01	.02	.00	.00	.02	.04
PHYSICISTS	.08	.15	.06	.03	.03	.03	.03	.03	.03	.04
OTHER NATURAL SCIENTISTS	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	3.68	7.08	.96	1.50	1.05	1.53	1.12	1.74	.90	1.29
DRAFTSMEN	.52	.57	.28	.32	.32	.40	.33	.39	.30	.41
SURVEYORS	.04	.01	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	3.31	6.50	.68	1.18	.72	1.13	.78	1.35	.60	.88
MEDICAL,OTHER HEALTH WORKERS	.16	.20	.05	.05	.09	.07	.08	.07	.09	.06
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.07	.10	.05	.05	.07	.05	.06	.05	.09	.06
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.05	.06	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.03	.03	.00	.00	.02	.01	.02	.02	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.02	.02	.02	.01	.02	.03
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.02	.02	.02	.01	.02	.03
SOCIAL SCIENTISTS	.38	.48	.18	.15	.04	.03	.05	.03	.04	.03
ECONOMISTS	.23	.35	.10	.07	.03	.02	.02	.01	.04	.03
STATISTICIANS + ACTUARIES	.12	.11	.06	.08	.02	.01	.03	.02	.00	.00
OTHER SOCIAL SCIENTISTS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	5.05	7.79	2.01	2.31	1.79	2.15	1.91	2.36	1.54	1.91
ACCOUNTANTS AND AUDITORS	3.13	3.07	1.28	1.33	.73	.74	.84	.83	.50	.62
AIRPLANE PILOTS,NAVIGATORS	.08	.20	.00	.00	.02	.02	.03	.04	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.06	.12	.00	.00	.07	.06	.08	.08	.04	.04
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.05	.03	.13	.13	.16	.22	.06	.02	.33	.46
EDITORS AND REPORTERS	.06	.07	.00	.00	.01	.02	.01	.02	.01	.02
LAWYERS AND JUDGES	.38	.32	.09	.07	.03	.02	.04	.02	.02	.02
LIBRARIANS	.02	.06	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.50	.62	.14	.15	.22	.27	.19	.21	.28	.34
PHOTOGRAPHERS	.05	.04	.00	.00	.02	.02	.02	.02	.02	.02
SOCIAL AND WELFARE WORKERS	.01	.01	.00	.00	.01	.00	.01	.01	.00	.00
PROF,TECH,KINDRED,NEC	.70	3.25	.38	.62	.52	.78	.63	1.11	.30	.40
MANAGERS,OFFICIALS,PROPRIETORS	6.86	6.30	9.41	8.57	6.41	6.59	5.49	5.37	8.34	7.98
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.23	.25	.26	.39	.13	.15	.16	.21	.06	.08
OFFICERS,PILOTS,ENGRS,SHIP	.15	.21	.05	.05	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.35	.28	.53	.51	.28	.28	.29	.28	.25	.28
MANAGERS,OFFICE,PROP. NEC	6.12	5.55	8.56	7.62	6.00	6.16	5.03	4.88	8.03	7.63

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS		MISCELLANEOUS PLASTIC PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	17.68	17.45	19.95	23.35	12.95	13.44	13.19	12.46	12.44	14.56
STENOS, TYPISTS,SECRETARIES	5.20	5.59	6.79	8.05	3.29	3.37	3.22	3.14	3.44	3.62
OFFICE MACHINE OPERATORS	1.14	1.72	.69	1.42	.70	.82	.83	1.09	.42	.50
OTHER CLERICAL,KINDRED WRKRS	11.35	10.14	12.47	13.89	8.96	9.25	9.15	8.22	8.56	10.44
ACCOUNTING CLERKS	1.01	1.06	.71	1.01	.51	.49	.51	.48	.52	.51
BOOKKEEPERS,HAND	.87	.89	.85	.98	.45	.53	.22	.20	.91	.91
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.09	.09	.07	.14	.07	.04	.10	.07	.00	.00
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.25	.18	1.63	1.78	2.09	2.16	1.96	1.39	2.36	3.04
TELEPHONE OPERATORS	.37	.31	.21	.18	.13	.11	.14	.13	.10	.09
CLERICAL AND KINDRED,NEC	8.76	7.62	8.96	9.80	5.72	5.93	6.21	5.96	4.68	5.89
SALES WORKERS	1.64	1.95	4.32	3.83	1.97	2.26	2.03	2.43	1.86	2.12
CRAFTSMEN,FOREMEN AND KINDRED	22.07	21.06	14.62	15.54	13.41	15.45	12.86	14.31	14.51	16.75
CONSTRUCTION CRAFTSMEN	5.17	4.79	2.92	3.38	1.29	1.27	1.49	1.56	.85	.94
CARPENTERS	.86	.66	.31	.29	.17	.16	.15	.13	.21	.21
BRICKMASONS AND TILE SETRS	.13	.08	.08	.08	.01	.02	.00	.00	.03	.05
CEMENT,CONCRETE FINISHERS	.01	.01	.00	.00	.01	.01	.01	.03	.00	.00
ELECTRICIANS	1.11	1.04	1.11	1.20	.56	.51	.61	.53	.46	.49
EXCAVATNG,GRADNG MACH OPER	.13	.17	.38	.37	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.17	.08	.17	.13	.05	.05	.03	.02	.08	.08
PLASTERERS	.00	.00	.00	.00	.01	.01	.00	.00	.02	.03
PLUMBERS AND PIPEFITTERS	2.72	2.69	.34	.40	.48	.48	.67	.82	.06	.09
ROOFERS AND SLATERS	.00	.00	.53	.90	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.04	.05	.00	.00	.01	.02	.01	.03	.00	.00
FOREMEN NEC	5.19	5.29	4.14	4.22	5.84	6.62	5.47	5.89	6.63	7.89
METALWKNG CRAFTS EXC MECH	2.61	2.06	1.33	1.03	2.03	2.26	1.57	1.53	3.01	3.09
MACHINISTS AND RELATED OCC	1.37	1.11	.34	.20	.79	.84	.67	.65	1.05	1.06
BLKSMITHS,FORGMN,HAMMERMEN	.04	.04	.00	.00	.01	.01	.01	.01	.00	.00
BOILERMAKERS	1.04	.65	.17	.07	.01	.01	.01	.01	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.04	.04	.71	.64	.27	.25	.32	.30	.16	.20
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.02	.04	.02	.02	.03	.05
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.06	.07	.05	.03	.09	.12
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.08	.02	.00	.00	.10	.10	.15	.19	.00	.00
TOOLMAKERS AND DIEMAKERS	.05	.00	.12	.12	.77	.94	.33	.32	1.68	1.65
PRINTING TRADES CRAFTSMEN	.10	.12	.15	.15	.28	.27	.17	.10	.50	.47
COMPOSITORS,TYPESETTERS	.03	.01	.04	.04	.21	.18	.14	.07	.36	.31
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.01	.04	.00	.00	.04	.05	.02	.01	.08	.09
PHOTOENGRVRS,LITHOGRAPHERS	.01	.01	.04	.04	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.05	.07	.07	.08	.03	.04	.02	.02	.07	.07
TRANSPORT AND PUB UTIL CRAFT	.04	.03	.00	.00	.01	.02	.01	.01	.02	.02
LINEMEN AND SERVICEMEN	.03	.01	.00	.00	.01	.02	.01	.01	.02	.02
LOCOMOTIVE ENGINEERS	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	4.20	4.89	4.21	5.51	3.06	3.89	3.29	4.36	2.60	3.35
AIRPLANE MECH AND REPAIRMN	.03	.05	.00	.00	.01	.01	.02	.02	.00	.00
MOTOR VEHICLE MECHANICS	.50	.43	.12	.16	.03	.02	.05	.04	.00	.00
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.01	.03	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	3.64	4.38	4.09	5.35	3.02	3.86	3.23	4.30	2.60	3.35

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS		MISCELLANEOUS PLASTIC PRODUCTS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	4.75	3.87	1.87	1.25	.89	.92	.89	.86	.90	.97
BAKERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.00	.00	.00	.02	.03	.00	.00	.06	.07
CRANE,DERRICK,HOIST MEN	.31	.42	.47	.33	.05	.05	.06	.05	.03	.04
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.01	.01	.00	.00	.02	.02
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.14	.05	.07	.07	.01	.01	.01	.01	.02	.02
UPHOLSTERERS	.00	.00	.00	.00	.01	.01	.01	.00	.02	.02
CRAFTSMEN AND KINDRED NEC	4.28	3.40	1.34	.85	.80	.80	.81	.80	.76	.80
OPERATIVES AND KINDRED WORKERS	25.12	21.01	29.42	30.64	52.58	50.30	52.07	51.44	53.66	49.00
DRIVERS AND DELIVERYMEN	3.67	3.44	5.09	6.59	.98	.37	1.20	.13	.51	.66
DRIVERS,BUS,TRUCK,TRACTOR	3.19	2.93	4.89	6.17	.84	.32	1.03	.13	.45	.55
DELIVERYMEN AND ROUTEMEN	.48	.51	.21	.42	.14	.05	.18	.00	.06	.11
TRANSP AND PUB UTIL OPERATVS	.27	.37	.14	.14	.03	.04	.04	.07	.00	.00
BRAKEMEN AND SWITCHMEN RR	.03	.03	.07	.07	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.07	.12	.00	.00	.03	.04	.04	.07	.00	.00
SAILORS AND DECKHANDS	.18	.22	.07	.07	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	1.35	1.24	.52	.75	.35	.43	.39	.52	.28	.33
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
WELDERS AND FLAME-CUTTERS	1.35	1.24	.52	.75	.35	.43	.38	.51	.28	.33
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.08	.07	1.06	.35	1.15	.03	.87	.71
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.01	.01	.00	.00	.02	.03
WEAVERS,TEXTILE	.00	.00	.00	.00	.02	.03	.02	.03	.02	.03
SEWERS AND STITCHERS,MFG	.00	.00	.08	.07	1.04	.31	1.13	.00	.83	.65
OTHER OPERATIVES AND KINDRED	19.83	15.95	23.59	23.09	50.17	49.11	49.29	50.69	52.00	47.30
ASBESTOS,INSULATION WRKS	.63	.80	.00	.00	.03	.06	.04	.09	.02	.02
ATTEND,AUTO SERVICE,PARKNG	.09	.01	.00	.00	.02	.01	.03	.02	.00	.00
BLASTERS AND POWDERMEN	.01	.01	.07	.06	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	19.10	15.13	23.52	23.03	50.12	49.04	49.22	50.58	51.99	47.28
SERVICE WORKERS	2.01	.97	2.49	3.03	2.03	1.78	2.29	1.86	1.48	1.69
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.83	.27	1.25	1.29	.56	.35	.66	.32	.36	.39
FIREMEN	.10	.05	.14	.28	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.73	.21	1.11	1.01	.52	.33	.60	.29	.34	.37
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.05	.03	.06	.03	.02	.02
FOOD SERVICE WORKERS	.15	.18	.07	.06	.08	.08	.11	.15	.02	.01
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.14	.16	.00	.00	.03	.04	.05	.07	.00	.00
COUNTER AND FOUNTAIN WKRS	.00	.00	.00	.00	.04	.04	.05	.06	.02	.01
WAITERS AND WAITRESSES	.01	.02	.07	.06	.01	.01	.01	.01	.00	.00
OTHER SERVICE WORKERS	1.03	.52	1.16	1.68	1.38	1.35	1.52	1.39	1.10	1.30
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00
CHARWOMEN AND CLEANERS	.04	.01	.00	.00	.07	.06	.07	.05	.06	.08
JANITORS AND SEXTONS	.62	.23	.55	.59	.94	.80	1.06	.67	.69	.96
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.37	.29	.61	1.09	.37	.48	.38	.68	.36	.26
LABORERS,EXCEPT FARM AND MINE	7.16	2.75	14.03	7.39	5.72	3.93	6.84	5.19	3.39	2.48
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS		TRANSPORTATION-COMMUNICATIONS AND PUBLIC UTILITIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.82	1.11	1.48	2.26	.63	.82	1.21	1.66	5.32	6.58
ENGINEERS,TECHNICAL	.15	.20	.33	.50	.09	.10	.26	.38	1.14	1.35
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ENGINEERS,CIVIL	.00	.00	.00	.00	.01	.00	.00	.00	.23	.26
ENGINEERS,ELECTRICAL	.01	.01	.00	.00	.01	.00	.03	.05	.59	.73
ENGINEERS,INDUSTRIAL	.08	.10	.28	.40	.06	.06	.10	.14	.05	.06
ENGINEERS,MECHANICAL	.01	.02	.00	.00	.01	.01	.03	.04	.14	.14
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
OTHER ENGINEERS,TECHNICAL	.04	.07	.05	.10	.01	.03	.10	.15	.10	.13
NATURAL SCIENTISTS	.05	.05	.26	.29	.02	.02	.09	.09	.05	.07
CHEMISTS	.05	.05	.26	.29	.02	.02	.09	.09	.02	.04
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.10	.20	.34	.76	.06	.14	.13	.24	1.17	1.45
CRAFTSMEN	.01	.02	.00	.00	.00	.00	.06	.07	.20	.24
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.06	.09
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.17	.17
TECHNICIANS,OTHER	.09	.18	.34	.76	.06	.14	.07	.17	.72	.95
MEDICAL,OTHER HEALTH WORKERS	.02	.02	.06	.06	.01	.01	.05	.05	.03	.04
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.02	.02	.06	.06	.01	.01	.05	.05	.01	.02
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.05
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.00	.00	.00	.00	.04	.05
SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.09	.09
ECONOMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03
STATISTICIANS + ACTUARIES	.00	.00	.00	.00	.00	.00	.00	.00	.06	.06
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.51	.64	.48	.65	.46	.54	.69	.90	2.81	3.53
ACCOUNTANTS AND AUDITORS	.17	.15	.32	.35	.17	.15	.10	.10	.70	.77
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.43	.73
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	.00	.00	.00	.00	.04	.04	.16	.14
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.19	.20	.00	.00	.17	.18	.34	.30	.03	.03
EDITORS AND REPORTERS	.00	.00	.00	.00	.00	.00	.00	.00	.10	.11
LAWYERS AND JUDGES	.00	.00	.00	.00	.00	.00	.00	.00	.06	.05
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PERSONNEL AND LAB REL WRKS	.05	.09	.11	.20	.04	.07	.07	.11	.16	.20
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.09	.20	.05	.11	.08	.15	.15	.34	1.13	1.47
MANAGERS,OFFICIALS,PROPRIETORS	4.44	4.80	6.19	9.28	3.32	3.63	7.69	7.01	8.29	7.91
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.93	.81
CREDITMEN	.04	.05	.00	.00	.05	.08	.00	.00	.02	.02
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.63	.51
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.23	.32	.36	.52	.22	.33	.23	.27	.10	.09
MANAGERS,OFFICE,PROP. NEC	4.17	4.43	5.82	8.76	3.05	3.23	7.46	6.74	6.62	6.48

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS		TRANSPORTATION COMMUNICATIONS AND PUBLIC UTILITIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	5.29	11.25	7.20	7.15	9.35	11.25	10.05	12.13	24.24	23.97
STENOS. TYPISTS.SECRETARIES	1.60	2.07	1.15	1.27	1.48	1.82	2.26	2.92	2.85	3.23
OFFICE MACHINE OPERATORS	.39	.84	.25	1.04	.37	.66	.52	.73	.61	1.14
OTHER CLERICAL,KINDRED WRKRS	7.30	8.34	5.80	4.85	7.50	8.57	7.27	8.48	20.58	19.61
ACCOUNTING CLERKS	.27	.25	.19	.03	.20	.16	.55	.53	1.02	.78
BOOKKEEPERS,HAND	.65	.60	.67	.29	.62	.45	.97	.96	.35	.33
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.02	.05	.00	.00	.03	.07	.00	.00	.61	.78
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	1.56	1.92	1.58	.61	1.34	1.77	2.32	2.62	.22	.23
TELEPHONE OPERATORS	.13	.11	.33	.31	.09	.08	.17	.16	5.09	4.67
CLERICAL AND KINDRED,NEC	4.63	5.41	3.04	3.58	5.22	6.00	3.26	4.22	13.27	12.82
SALES WORKERS	1.45	1.47	1.19	1.60	1.34	1.61	1.96	1.06	.69	1.17
CRAFTSMEN,FOREMEN AND KINDRED	6.19	8.38	9.74	12.87	5.54	7.69	6.88	8.72	21.27	21.45
CONSTRUCTION CRAFTSMEN	.23	.23	.65	.61	.19	.18	.20	.21	2.04	1.82
CARPENTERS	.09	.08	.31	.29	.04	.04	.15	.15	.30	.20
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.10	.10	.13	.17	.12	.12	.00	.00	.85	.75
EXCAVATNG,GRADNG MACH OPER	.00	.00	.00	.00	.00	.00	.00	.00	.17	.20
PAINTERS AND PAPERHANGERS	.01	.01	.00	.00	.02	.01	.00	.00	.21	.16
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.03	.03	.21	.35	.01	.01	.00	.00	.47	.48
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.01	.01	.00	.00	.00	.00	.04	.06	.03	.02
FOREMEN NEC	4.25	5.27	5.31	6.76	3.95	4.77	4.81	6.32	2.70	2.82
METALWKNG CRAFTS EXC MECH	.26	.30	.56	.55	.19	.24	.39	.40	.97	.83
MACHINISTS AND RELATED OCC	.06	.08	.12	.13	.06	.09	.02	.02	.67	.57
BLKSMITHS,FORGMN,HAMMERMEN	.01	.01	.07	.09	.00	.00	.00	.00	.06	.03
BOILERMAKERS	.01	.01	.07	.16	.01	.00	.00	.00	.08	.05
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.02	.01	.23	.16	.00	.00	.00	.00	.01	.01
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.04	.06	.00	.00	.04	.07	.04	.04	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.03	.06	.01	.01	.00	.00	.13	.15
TOOLMAKERS AND DIEMAKERS	.12	.13	.07	.00	.07	.07	.33	.34	.02	.01
PRINTING TRADES CRAFTSMEN	.03	.03	.00	.00	.03	.03	.05	.04	.02	.02
COMPOSITORS,TYPESETTERS	.03	.03	.00	.00	.03	.03	.05	.04	.02	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.02	.03	.00	.00	.00	.00	.10	.12	7.75	7.60
LINEMEN AND SERVICEMEN	.02	.03	.00	.00	.00	.00	.10	.12	5.91	6.64
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.54	.84
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.91	.12
MECHANICS AND REPAIRMEN	1.15	2.26	2.60	4.00	.99	2.47	1.05	1.29	5.51	6.05
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.83	1.00
MOTOR VEHICLE MECHANICS	.01	.02	.00	.00	.01	.03	.00	.00	1.25	1.41
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.08	.07
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.83	.72
OTHER MECHANICS AND REPAIR	1.15	2.24	2.60	4.00	.98	2.45	1.05	1.29	2.52	2.83

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS		TRANSPORTATION COMMUNICATIONS AND PUBLIC UTILITIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.24	.26	.59	.72	.19	.19	.27	.34	2.28	2.32
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.00	.00	.01	.01	.00	.00	.01	.00
CRANE,DERRICK,HOIST MEN	.01	.01	.00	.00	.01	.02	.00	.00	.17	.20
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.00	.00	.00	.00	.00	.00	.00	.00	1.03	1.05
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
CRAFTSMEN AND KINDRED NEC	.22	.24	.59	.72	.17	.16	.27	.34	1.05	1.05
OPERATIVES AND KINDRED WORKERS	72.85	69.03	57.90	54.32	76.15	71.60	67.88	65.32	26.26	27.04
DRIVERS AND DELIVERYMEN	.38	.49	1.07	1.08	.28	.46	.40	.45	18.56	20.27
DRIVERS,BUS,TRUCK,TRACTOR	.30	.37	.85	.72	.23	.37	.30	.30	15.48	17.70
DELIVERYMEN AND ROUTEMEN	.08	.12	.22	.37	.05	.09	.10	.15	3.08	2.57
TRANSP AND PUB UTIL OPERATVS	.03	.05	.00	.00	.04	.05	.04	.05	3.10	2.59
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	2.15	1.95
POWER STATION OPERATORS	.03	.05	.00	.00	.04	.05	.04	.05	.34	.26
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.61	.38
SEMISKILLED METALWORKING OCC	.03	.03	.00	.00	.02	.02	.07	.05	.33	.38
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.03	.03	.00	.00	.02	.02	.07	.05	.33	.37
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	13.66	12.62	.79	.00	16.29	15.05	10.11	8.82	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.01	.03	.00	.00	.01	.04	.00	.00	.00	.00
WEAVERS,TEXTILE	.02	.04	.00	.00	.01	.03	.04	.07	.00	.00
SEWERS AND STITCHERS,MFG	13.63	12.56	.79	.00	16.27	14.98	10.07	8.75	.00	.00
OTHER OPERATIVES AND KINDRED	58.75	55.85	56.04	53.24	59.51	56.02	57.26	55.95	4.27	3.80
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.00	.00	.00	.00	.04	.03
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.01	.00	.00	.02	.02	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.06	.04
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	58.74	55.83	56.04	53.24	59.49	56.00	57.26	55.95	4.16	3.73
SERVICE WORKERS	1.38	1.33	2.19	2.44	1.31	1.22	1.23	1.37	3.29	2.97
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.47	.38	1.09	1.13	.44	.37	.27	.23	.73	.47
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
GUARDS,WATCHMEN,DOORKEEPRS	.47	.38	1.09	1.13	.44	.37	.27	.23	.58	.29
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.00	.00	.00	.00	.14	.18
FOOD SERVICE WORKERS	.03	.03	.00	.00	.02	.02	.10	.08	.44	.28
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
COOKS,EXC PRIV HOUSEHOLDS	.02	.02	.00	.00	.01	.01	.06	.05	.24	.15
COUNTER AND FOUNTAIN WKRS	.01	.01	.00	.00	.00	.00	.03	.02	.02	.02
WAITERS AND WAITRESSES	.01	.01	.00	.00	.01	.01	.00	.00	.18	.10
OTHER SERVICE WORKERS	.88	.92	1.10	1.31	.85	.83	.86	1.06	2.11	2.22
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.28	.59
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.10	.11	.00	.00	.09	.08	.15	.20	.15	.20
JANITORS AND SEXTONS	.35	.36	.62	.78	.36	.39	.18	.19	.53	.51
NURSES,PRACTICAL	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.41	.45	.48	.54	.38	.36	.49	.67	1.15	.92
LABORERS,EXCEPT FARM AND MINE	3.58	2.63	14.12	10.09	2.36	1.58	3.09	2.73	10.44	8.90
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS		TAXIS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	2.53	3.50	2.47	3.62	.99	1.26	.98	1.13	1.01	1.52
ENGINEERS,TECHNICAL	.34	.40	.54	.83	.24	.24	.36	.33	.04	.05
ENGINEERS,AERONAUTICAL	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.13	.14	.29	.41	.10	.11	.16	.16	.00	.00
ENGINEERS,ELECTRICAL	.05	.06	.07	.13	.08	.07	.11	.09	.02	.03
ENGINEERS,INDUSTRIAL	.03	.04	.04	.06	.02	.02	.02	.02	.01	.02
ENGINEERS,MECHANICAL	.06	.09	.11	.17	.03	.03	.04	.04	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.03	.04	.03	.06	.01	.02	.02	.02	.00	.00
NATURAL SCIENTISTS	.02	.02	.03	.06	.00	.00	.00	.00	.00	.00
CHEMISTS	.01	.01	.02	.04	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.37	.44	.29	.48	.32	.43	.05	.11	.76	1.13
DRAFTSMEN	.07	.08	.16	.25	.01	.03	.02	.05	.00	.00
SURVEYORS	.04	.04	.07	.10	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.16	.17	.00	.00	.30	.39	.02	.04	.76	1.13
TECHNICIANS,OTHER	.10	.14	.06	.14	.01	.01	.02	.02	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.02	.03	.03	.03	.03	.05	.04	.07	.00	.00
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	.01	.02	.00	.01	.01	.01	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.01	.01	.01	.01	.01	.02	.02	.02	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.01	.02	.02	.03	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.03	.05	.00	.00	.03	.03	.04	.04	.02	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.03	.05	.00	.00	.03	.03	.04	.04	.02	.01
SOCIAL SCIENTISTS	.05	.06	.10	.12	.03	.03	.04	.04	.00	.00
ECONOMISTS	.01	.01	.01	.02	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.04	.05	.09	.11	.03	.03	.04	.04	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.70	2.51	1.47	2.10	.35	.48	.45	.55	.20	.33
ACCOUNTANTS AND AUDITORS	.54	.67	.60	.79	.20	.27	.27	.32	.05	.16
AIRPLANE PILOTS,NAVIGATORS	.69	1.22	.00	.00	.02	.02	.02	.02	.02	.02
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.02	.03	.00	.00	.00	.00	.00	.00
EDITORS AND REPORTERS	.03	.03	.04	.05	.00	.00	.00	.00	.00	.00
LAWYERS AND JUDGES	.05	.05	.09	.10	.04	.02	.06	.03	.00	.00
LIBRARIANS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.08	.10	.10	.13	.04	.04	.03	.03	.05	.07
PHOTOGRAPHERS	.01	.01	.01	.01	.01	.01	.02	.02	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.26	.40	.59	.97	.05	.11	.05	.13	.05	.08
MANAGERS,OFFICIALS,PROPRIETORS	10.06	9.35	9.74	10.60	5.51	4.19	5.43	4.37	5.64	3.82
CONDUCTORS,RAILROAD	1.52	1.38	4.85	5.55	.02	.01	.04	.01	.00	.00
CREDITMEN	.01	.02	.01	.02	.00	.00	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	1.02	.87	.10	.06	.01	.01	.01	.01	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.10	.07	.05	.04	.08	.05	.11	.07	.02	.02
MANAGERS,OFFICE,PROP. NEC	7.41	7.02	4.73	4.93	5.40	4.13	5.27	4.28	5.63	3.80

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS		TAXIS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	17.48	19.71	19.86	19.90	11.09	9.70	12.11	9.29	9.40	10.58
STENOS, TYPISTS,SECRETARIES	2.28	2.80	1.79	2.11	.91	.88	1.30	1.14	.25	.34
OFFICE MACHINE OPERATORS	.60	1.05	.78	1.60	.20	.21	.30	.38	.05	.14
OTHER CLERICAL,KINDRED WRKRS	14.60	15.86	17.29	16.19	9.98	8.51	10.51	7.77	9.11	10.10
ACCOUNTING CLERKS	.74	.61	.44	.30	.32	.24	.47	.30	.07	.10
BOOKKEEPERS,HAND	.32	.31	.00	.00	.44	.48	.26	.23	.75	1.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.56	.86	.30	.43	.50	.56	.80	.82	.00	.00
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.33	.36	.20	.26	.14	.14	.08	.07	.24	.29
TELEPHONE OPERATORS	.29	.24	.34	.19	.47	.37	.08	.04	1.12	1.07
CLERICAL AND KINDRED,NEC	12.36	13.47	16.01	15.02	8.11	6.73	8.83	6.30	6.93	7.64
SALES WORKERS	.71	1.07	.22	.36	.15	.17	.22	.25	.02	.00
CRAFTSMEN,FOREMEN AND KINDRED	16.48	15.33	31.30	30.76	9.91	8.61	14.48	11.50	2.30	2.45
CONSTRUCTION CRAFTSMEN	1.75	1.55	3.87	4.22	.85	.66	1.31	.95	.08	.06
CARPENTERS	.40	.26	.87	.52	.14	.14	.23	.21	.00	.00
BRICKMASONS AND TILE SETRS	.01	.01	.02	.01	.03	.04	.05	.05	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.01	.01	.01	.02	.00	.00
ELECTRICIANS	.72	.74	1.66	2.21	.38	.25	.61	.36	.00	.00
EXCAVATNG,GRADNG MACH OPER	.09	.08	.11	.13	.01	.00	.01	.00	.00	.00
PAINTERS AND PAPERHANGERS	.26	.19	.48	.35	.20	.15	.28	.19	.06	.06
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.24	.25	.67	.94	.05	.03	.07	.05	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.01	.01	.01	.01	.02	.00
STRUCTURAL METALWORKERS	.03	.02	.07	.06	.02	.04	.03	.06	.00	.00
FOREMEN NEC	2.47	2.50	4.39	4.85	.82	.68	1.21	1.22	.18	.17
METALWKNG CRAFTS EXC MECH	1.39	1.26	3.92	4.17	.25	.24	.39	.34	.03	.02
MACHINISTS AND RELATED OCC	.99	.89	3.02	3.44	.16	.14	.24	.19	.03	.02
BLKSMITHS,FORGMN,HAMMERMEN	.08	.04	.24	.11	.03	.02	.04	.02	.00	.00
BOILERMAKERS	.09	.05	.29	.16	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.02	.01	.01	.02	.04	.03	.05	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.19	.25	.34	.42	.03	.04	.05	.05	.00	.00
TOOLMAKERS AND DIEMAKERS	.02	.01	.03	.02	.01	.01	.02	.02	.00	.00
PRINTING TRADES CRAFTSMEN	.02	.02	.03	.02	.00	.01	.01	.01	.00	.00
COMPOSITORS,TYPESETTERS	.01	.01	.02	.02	.00	.01	.01	.01	.00	.00
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	3.13	1.77	9.85	6.94	.15	.14	.24	.20	.02	.01
LINEMEN AND SERVICEMEN	.13	.15	.30	.46	.13	.09	.19	.12	.02	.01
LOCOMOTIVE ENGINEERS	1.51	1.42	4.82	5.67	.03	.05	.04	.07	.00	.00
LOCOMOTIVE FIREMEN	1.48	.20	4.73	.80	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	5.69	6.37	4.75	5.67	7.21	6.22	10.39	8.13	1.93	2.15
AIRPLANE MECH AND REPAIRMN	1.36	1.70	.00	.00	.02	.02	.02	.02	.03	.03
MOTOR VEHICLE MECHANICS	1.81	2.09	.03	.04	4.96	4.20	6.96	5.29	1.63	1.90
OFFICE MACHINE MECHANICS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.07	.07	.03	.06	.01	.01	.01	.01	.01	.01
RR AND CAR SHOP MECHANICS	1.35	1.23	4.03	4.72	.61	.41	.97	.60	.00	.00
OTHER MECHANICS AND REPAIR	1.09	1.27	.64	.83	1.61	1.57	2.42	2.21	.26	.22

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS		TAXIS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	2.04	1.86	4.45	4.90	.61	.45	.94	.65	.06	.04
BAKERS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.03	.02	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.19	.18	.31	.23	.00	.00	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.01	.00	.02	.01	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	1.28	1.20	3.60	4.09	.41	.32	.65	.47	.02	.01
UPHOLSTERERS	.03	.02	.07	.05	.03	.03	.04	.04	.00	.00
CRAFTSMEN AND KINDRED NEC	.52	.44	.47	.49	.17	.11	.25	.14	.05	.03
OPERATIVES AND KINDRED WORKERS	37.16	38.39	19.70	22.67	67.42	71.61	59.19	67.10	81.11	81.19
DRIVERS AND DELIVERYMEN	28.17	30.45	1.82	2.63	62.62	67.46	52.15	61.47	80.04	80.19
DRIVERS,BUS,TRUCK,TRACTOR	23.29	26.28	1.53	2.26	31.98	40.66	50.65	59.62	.91	.38
DELIVERYMEN AND ROUTEMEN	4.88	4.18	.29	.37	30.64	26.80	1.50	1.86	79.13	79.82
TRANSP AND PUB UTIL OPERATVS	4.50	3.96	11.07	13.27	.34	.19	.50	.28	.09	.00
BRAKEMEN AND SWITCHMEN RR	3.48	3.30	10.95	13.15	.27	.14	.36	.20	.09	.00
POWER STATION OPERATORS	.02	.02	.02	.02	.06	.03	.09	.04	.00	.00
SAILORS AND DECKHANDS	1.00	.64	.10	.10	.02	.02	.03	.03	.00	.00
SEMISKILLED METALWORKING OCC	.32	.39	.69	1.08	.10	.08	.14	.11	.02	.01
FURNACEMN,SMELTRMN,POURERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.32	.39	.68	1.06	.10	.08	.14	.11	.02	.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	4.18	3.59	6.12	5.70	4.36	3.88	6.40	5.24	.96	.98
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.03	.03	.00	.00	.07	.05	.02	.00	.14	.14
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.10	.06	.01	.01	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	4.04	3.49	6.10	5.68	4.29	3.83	6.37	5.24	.83	.84
SERVICE WORKERS	4.06	3.80	5.07	3.46	3.16	3.24	4.92	4.68	.23	.18
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.99	.65	1.41	.88	.46	.38	.73	.55	.02	.02
FIREMEN	.01	.01	.01	.02	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.75	.35	.92	.30	.30	.18	.47	.25	.02	.02
POLICE,OTH LAW ENFORCE OFF	.23	.29	.47	.56	.16	.20	.26	.30	.00	.00
FOOD SERVICE WORKERS	.62	.39	.54	.51	.35	.28	.54	.40	.03	.04
BARTENDERS	.01	.01	.02	.01	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.34	.23	.47	.26	.12	.07	.18	.10	.02	.02
COUNTER AND FOUNTAIN WKRS	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
WAITERS AND WAITRESSES	.26	.14	.45	.24	.22	.21	.34	.29	.02	.02
OTHER SERVICE WORKERS	2.44	2.76	2.73	2.07	2.35	2.58	3.66	3.73	.18	.12
AIRLINE STEWARDS,STWRDSSES	.47	1.01	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
CHARWOMEN AND CLEANERS	.13	.19	.26	.49	.08	.09	.13	.13	.00	.00
JANITORS AND SEXTONS	.32	.31	.43	.35	.31	.33	.48	.48	.02	.01
NURSES,PRACTICAL	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00
SERVICE WORKERS,NEC	1.53	1.25	2.04	1.23	1.95	2.16	3.03	3.12	.16	.11
LABORERS,EXCEPT FARM AND MINE	11.50	8.85	11.65	8.63	1.78	1.22	2.67	1.68	.29	.26
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING		WATER TRANSPORTATION		AIR TRANSPORTATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.63	.80	.54	.71	1.48	2.21	2.22	3.29	14.38	15.02
ENGINEERS,TECHNICAL	.10	.12	.06	.09	.51	.66	.18	.18	.56	.54
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.20	.20
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.01	.03	.02	.03	.00	.00	.06	.06	.04	.03
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.02	[illegible]	.03	.03	.10	.05
ENGINEERS,INDUSTRIAL	.02	.02	.02	.02	.00	[illegible]	.03	.03	.11	.12
ENGINEERS,MECHANICAL	.05	.05	.01	.02	.41	[illegible]	.04	.03	.08	.08
ENGINEERS,METALLURG. ETC	.00	.00	.00	.00	.00	[illegible]	.00	.00	.01	.01
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.02	.03	.01	.02	.08	.16	.03	.02	.03	.03
NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.05	.01
CHEMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
TECHNICIANS,EXC MEDICAL,DENT	.02	.03	.02	.03	.02	.02	.79	1.14	1.71	1.14
DRAFTSMEN	.00	.00	.00	.00	.00	.00	.04	.07	.05	.02
SURVEYORS	.00	.00	.00	.00	.00	.00	.21	.25	.01	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.02	.03	.02	.03	.00	.00	.44	.61	1.04	.60
TECHNICIANS,OTHER	.00	.00	.00	.00	.02	.02	.10	.22	.61	.51
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.00	.00	.00	.00	.03	.06	.12	.10
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
NURSES,PROFESSIONAL	.00	.00	.00	.00	.00	.00	.01	.02	.05	.05
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.01	.02	.04	.03
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.00	.01	.00	.02	.04	.00	.00	.33	.37
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.00	.01	.00	.02	.04	.00	.00	.33	.37
SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.05	.06	.12	.11
ECONOMISTS	.00	.00	.00	.00	.00	.00	.01	.01	.03	.02
STATISTICIANS + ACTUARIES	.00	.00	.00	.00	.00	.00	.04	.05	.09	.08
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.50	.65	.45	.59	.94	1.48	1.17	1.85	11.49	12.74
ACCOUNTANTS AND AUDITORS	.39	.46	.34	.41	.80	1.22	.76	1.19	1.21	.90
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.02	.03	.00	.02	9.30	10.85
ARCHITECTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.00	.00	.00	.00	.04	.02	.11	.09
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
EDITORS AND REPORTERS	.00	.01	.00	.01	.00	.00	.01	.00	.08	.07
LAWYERS AND JUDGES	.02	.01	.01	.01	.02	.03	.03	.03	.08	.05
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.05	.07	.05	.07	.06	.08	.16	.20	.22	.21
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.02	.02	.07	.07
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.04	.09	.04	.09	.05	.12	.13	.34	.41	.49
MANAGERS,OFFICIALS,PROPRIETORS	10.03	8.25	9.23	7.67	17.66	16.82	19.14	22.36	8.28	6.24
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.02	.02	.02	.02	.01	.02	.00	.00	.02	.02
OFFICERS,PILOTS,ENGRS,SHIP	.01	.00	.00	.00	.01	.02	12.17	12.01	.06	.07
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.07	.04	.04	.02	.30	.33	.18	.11	.21	.09
MANAGERS,OFFICE,PROP. NEC	9.94	8.19	9.16	7.63	17.33	16.46	6.79	10.24	7.98	6.06

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING		WATER TRANSPORTATION		AIR TRANSPORTATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	13.25	14.73	12.47	14.20	20.71	22.54	13.29	16.13	30.51	32.77
STENOS, TYPISTS, SECRETARIES	2.07	2.27	1.95	2.17	3.22	3.62	2.65	2.98	4.92	4.64
OFFICE MACHINE OPERATORS	.53	.93	.56	.94	.25	.75	.40	.71	.59	.74
OTHER CLERICAL, KINDRED WRKRS	10.66	11.53	9.97	11.08	17.24	16.17	10.23	12.43	25.00	27.39
ACCOUNTING CLERKS	.87	.72	.91	.75	.46	.40	.86	.68	1.11	.59
BOOKKEEPERS, HAND	.67	.52	.35	.29	3.79	3.81	.00	.00	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.29	.35	.31	.37	.06	.03	.16	.14	.14	.17
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.35	.26	.19	.19	1.92	1.28	.76	1.06	.22	.17
TELEPHONE OPERATORS	.17	.18	.17	.19	.17	.11	.18	.09	.36	.35
CLERICAL AND KINDRED, NEC	8.30	9.50	8.04	9.29	10.84	12.53	8.27	10.47	23.18	26.11
SALES WORKERS	1.20	1.50	1.12	1.46	1.95	2.11	.38	.60	.74	.58
CRAFTSMEN, FOREMEN AND KINDRED	6.41	7.45	6.30	7.42	7.46	7.81	5.83	7.26	26.92	23.64
CONSTRUCTION CRAFTSMEN	.29	.25	.25	.21	.72	.82	1.67	1.57	1.56	1.37
CARPENTERS	.09	.07	.06	.05	.35	.41	.74	.86	.12	.10
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.03	.03	.02	.02	.13	.15	.42	.33	1.01	.87
EXCAVATNG, GRADNG MACH OPER	.08	.06	.08	.06	.08	.08	.14	.15	.01	.01
PAINTERS AND PAPERHANGERS	.07	.06	.07	.06	.07	.04	.26	.21	.37	.36
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.01	.02	.01	.01	.08	.13	.06	.00	.05	.03
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
STRUCTURAL METALWORKERS	.01	.01	.01	.01	.00	.00	.02	.01	.00	.00
FOREMEN NEC	1.70	1.86	1.52	1.74	3.46	3.59	1.22	1.70	1.91	1.69
METALWKNG CRAFTS EXC MECH	.05	.06	.04	.05	.12	.11	.13	.13	1.21	1.34
MACHINISTS AND RELATED OCC	.01	.00	.00	.00	.04	.04	.06	.04	.13	.09
BLKSMITHS, FORGMN, HAMMERMEN	.01	.01	.01	.01	.00	.00	.02	.02	.01	.01
BOILERMAKERS	.01	.02	.01	.02	.00	.00	.01	.01	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.01	.01	.01	.04	.04	.02	.04	.03	.04
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.01	.01	.02	.02	.01	.01	1.01	1.20
TOOLMAKERS AND DIEMAKERS	.01	.00	.01	.00	.02	.00	.00	.00	.02	.00
PRINTING TRADES CRAFTSMEN	.01	.01	.01	.01	.00	.00	.01	.01	.05	.06
COMPOSITORS, TYPESETTERS	.01	.01	.01	.01	.00	.00	.01	.01	.03	.03
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.02	.04
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.01	.00	.01	.00	.02	.03	.01	.00	.04	.07
LINEMEN AND SERVICEMEN	.01	.00	.01	.00	.02	.03	.01	.00	.04	.07
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.78	4.66	4.01	4.87	1.65	1.64	1.20	1.82	21.63	18.45
AIRPLANE MECH AND REPAIRMN	.01	.01	.01	.01	.02	.02	.08	.11	18.07	15.06
MOTOR VEHICLE MECHANICS	3.08	3.91	3.37	4.15	.28	.28	.06	.08	.22	.17
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.02	.01	.81	.47
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.70	.74	.63	.70	1.35	1.34	1.04	1.62	2.54	2.75

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING		WATER TRANSPORTATION		AIR TRANSPORTATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.57	.61	.47	.54	1.50	1.62	1.60	2.04	.52	.65
BAKERS	.00	.00	.00	.00	.02	.03	.07	.04	.01	.01
CABINETMAKERS	.01	.01	.00	.00	.09	.08	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.06	.06	.06	.05	.10	.13	.82	1.37	.01	.01
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.17	.26	.17	.26	.21	.28	.09	.07	.07	.11
UPHOLSTERERS	.00	.00	.00	.00	.02	.02	.01	.01	.03	.03
CRAFTSMEN AND KINDRED NEC	.33	.29	.25	.24	1.07	1.08	.61	.54	.39	.49
OPERATIVES AND KINDRED WORKERS	55.44	56.43	58.81	58.22	23.24	30.03	18.07	15.28	4.27	5.44
DRIVERS AND DELIVERYMEN	53.12	54.42	57.68	57.11	9.60	14.72	.68	1.13	.83	.62
DRIVERS,BUS,TRUCK,TRACTOR	51.60	52.21	56.03	54.77	9.29	14.46	.64	1.08	.46	.36
DELIVERYMEN AND ROUTEMEN	1.52	2.21	1.64	2.34	.31	.26	.04	.04	.37	.27
TRANSP AND PUB UTIL OPERATVS	.04	.04	.04	.04	.03	.04	12.02	8.92	.03	.01
BRAKEMEN AND SWITCHMEN RR	.03	.04	.04	.04	.00	.00	.02	.02	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.09	.14	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.03	.04	11.91	8.76	.03	.01
SEMISKILLED METALWORKING OCC	.14	.15	.14	.15	.04	.04	.20	.29	.21	.27
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.14	.15	.14	.15	.04	.04	.20	.29	.21	.27
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	2.15	1.82	.55	.91	13.57	15.22	5.17	4.94	3.20	4.54
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.04	.04	.04	.04	.03	.03	.02	.04	.04	.03
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.27	.14	.00	.00	2.86	2.13	.04	.04	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OPERATIVES AND KINDRED,NEC	1.83	1.65	.51	.88	10.68	13.05	5.10	4.85	3.15	4.51
SERVICE WORKERS	.80	.70	.56	.58	3.04	2.46	7.55	5.86	11.71	13.96
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.30	.17	.17	.09	1.56	1.24	1.47	.96	.49	.26
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.10	.06
GUARDS,WATCHMEN,DOORKEEPRS	.30	.16	.17	.08	1.53	1.21	1.35	.77	.30	.11
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.01	.03	.03	.12	.19	.08	.10
FOOD SERVICE WORKERS	.02	.01	.01	.01	.08	.06	2.97	2.53	.48	.39
BARTENDERS	.00	.00	.00	.00	.00	.00	.06	.04	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.01	.01	.01	.01	.08	.06	1.91	1.68	.28	.28
COUNTER AND FOUNTAIN WKRS	.00	.00	.00	.00	.00	.00	.01	.01	.08	.09
WAITERS AND WAITRESSES	.00	.00	.00	.00	.00	.00	.99	.79	.12	.02
OTHER SERVICE WORKERS	.48	.52	.38	.48	1.40	1.15	3.10	2.37	10.74	13.31
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	6.27	9.01
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.06	.10	.06	.10	.12	.17	.06	.10	.11	.10
JANITORS AND SEXTONS	.19	.23	.16	.22	.48	.41	.13	.18	.76	.64
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
SERVICE WORKERS,NEC	.23	.19	.17	.16	.79	.57	2.90	2.09	3.60	3.55
LABORERS,EXCEPT FARM AND MINE	12.24	10.14	10.96	9.75	24.45	16.03	33.53	29.23	3.20	2.34
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PIPELINES		TRANSPORTATION SERVICES		TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	8.50	11.58	2.49	3.20	9.72	10.99	11.81	13.50	7.26	9.24
ENGINEERS,TECHNICAL	3.90	5.12	.33	.24	2.41	2.72	1.51	2.12	1.41	2.19
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.55	.68	.00	.00	.03	.02	.00	.00	.00	.00
ENGINEERS,CIVIL	.62	.80	.15	.10	.39	.44	.04	.07	.05	.08
ENGINEERS,ELECTRICAL	.47	.65	.06	.05	1.45	1.68	1.32	1.88	1.23	1.94
ENGINEERS,INDUSTRIAL	.24	.34	.00	.00	.08	.09	.03	.05	.03	.04
ENGINEERS,MECHANICAL	1.25	1.66	.06	.05	.23	.20	.03	.02	.02	.02
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.02	.03	.00	.00	.00	.00
ENGINEERS,MINING	.55	.65	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.23	.35	.06	.04	.20	.26	.08	.11	.08	.11
NATURAL SCIENTISTS	.08	.06	.00	.00	.10	.15	.00	.02	.00	.02
CHEMISTS	.04	.06	.00	.00	.05	.09	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.02	.00	.00	.00	.02	.02	.00	.00	.00	.00
MATHEMATICIANS	.01	.00	.00	.00	.01	.02	.00	.01	.00	.01
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	2.66	3.66	.36	.56	2.43	2.89	2.82	2.90	.87	1.18
DRAFTSMEN	.38	.49	.12	.14	.42	.47	.11	.11	.12	.11
SURVEYORS	.06	.12	.03	.02	.13	.16	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.08	.12	.18	.16	.32	.29	.03	.03
TECHNICIANS,OTHER	2.22	3.05	.13	.27	1.70	2.11	2.39	2.50	.71	1.04
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.00	.00	.04	.05	.04	.06	.05	.06
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.00	.00	.02	.02	.02	.03	.03	.03
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.06	.11	.04	.05	.07	.10	.06	.08
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.06	.11	.04	.05	.07	.10	.06	.08
SOCIAL SCIENTISTS	.00	.00	.10	.15	.14	.14	.10	.09	.11	.10
ECONOMISTS	.00	.00	.04	.04	.06	.06	.04	.03	.04	.03
STATISTICIANS + ACTUARIES	.00	.00	.06	.11	.08	.08	.06	.06	.07	.07
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.87	2.75	1.63	2.15	4.56	4.99	7.27	8.22	4.76	5.61
ACCOUNTANTS AND AUDITORS	1.57	2.32	.87	1.18	.95	.91	.71	.76	.72	.76
AIRPLANE PILOTS,NAVIGATORS	.06	.12	.00	.00	.01	.02	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.01	.01	.00	.01	.01	.01
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.15	.15	.39	.31	.77	.66	.07	.07
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.00	.00	.05	.07	.03	.03	.02	.02
EDITORS AND REPORTERS	.00	.00	.12	.13	.21	.23	.41	.47	.03	.02
LAWYERS AND JUDGES	.13	.16	.10	.14	.07	.06	.05	.04	.04	.03
LIBRARIANS	.00	.00	.00	.00	.01	.01	.02	.01	.01	.01
PERSONNEL AND LAB REL WRKS	.06	.04	.03	.03	.28	.33	.40	.51	.46	.59
PHOTOGRAPHERS	.00	.00	.00	.00	.05	.04	.07	.07	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.01	.00	.01	.01	.01	.01
PROF,TECH,KINDRED,NEC	.06	.12	.35	.51	2.51	3.00	4.78	5.64	3.39	4.08
MANAGERS,OFFICIALS,PROPRIETORS	4.83	5.89	15.74	13.52	5.51	5.85	5.26	6.34	2.76	3.73
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.04	.02	.04	.02	.01	.01	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.05	.01	.17	.19	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.10	.27	.47	.34	.09	.11	.02	.02	.01	.01
MANAGERS,OFFICE,PROF. NEC	4.67	5.61	15.07	12.97	5.38	5.72	5.24	6.32	2.74	3.73

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PIPELINES		TRANSPORTATION SERVICES		TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	17.03	20.11	48.12	58.53	34.89	30.07	52.03	46.62	56.18	50.47
STENOS, TYPISTS,SECRETARIES	4.05	5.05	7.77	10.45	3.75	3.84	4.18	4.54	3.42	3.76
OFFICE MACHINE OPERATORS	.70	1.33	1.82	2.13	1.14	1.26	1.25	1.62	1.40	1.82
OTHER CLERICAL,KINDRED WRKRS	12.28	13.74	38.53	45.95	30.00	24.57	46.60	40.45	51.36	44.89
ACCOUNTING CLERKS	4.15	3.29	1.86	1.77	1.48	1.02	1.54	1.14	1.68	1.22
BOOKKEEPERS,HAND	.00	.00	.73	1.01	.41	.37	.18	.14	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.12	.17	8.17	10.71	.70	.65	.60	.58	.66	.64
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.00	.00	1.52	1.74	.04	.04	.04	.04	.04	.05
TELEPHONE OPERATORS	.33	.23	.42	.72	12.65	11.02	26.35	23.96	30.93	28.07
CLERICAL AND KINDRED,NEC	7.68	10.06	25.83	30.00	14.71	11.87	17.89	14.59	18.04	14.90
SALES WORKERS	.35	.15	3.47	5.20	1.16	1.33	1.52	2.04	1.04	1.53
CRAFTSMEN,FOREMEN AND KINDRED	42.12	39.70	7.01	6.24	28.81	30.23	24.94	27.76	28.50	31.41
CONSTRUCTION CRAFTSMEN	2.95	3.36	1.24	.85	2.51	2.21	.19	.19	.13	.12
CARPENTERS	.18	.14	.34	.22	.14	.11	.05	.05	.03	.03
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	1.36	2.12	.42	.32	1.05	.76	.11	.11	.08	.07
EXCAVATNG,GRADNG MACH OPER	.72	.53	.24	.18	.30	.38	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.17	.11	.21	.11	.13	.11	.03	.03	.02	.02
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.53	.47	.03	.02	.84	.80	.00	.00	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
FOREMEN NEC	8.29	9.51	2.01	1.70	3.05	3.27	.45	.56	.43	.58
METALWKNG CRAFTS EXC MECH	1.74	1.78	.06	.02	.29	.21	.01	.00	.01	.00
MACHINISTS AND RELATED OCC	1.30	1.21	.00	.00	.16	.11	.00	.00	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.03	.02	.03	.02	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.06	.05	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.44	.58	.00	.00	.02	.01	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.03	.00	.02	.01	.01	.00	.01	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.00	.00	.03	.02	.03	.02	.02	.01
COMPOSITORS,TYPESETTERS	.00	.00	.00	.00	.02	.01	.02	.01	.01	.00
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.97	1.07	.23	.26	15.04	15.56	22.90	25.40	26.77	29.27
LINEMEN AND SERVICEMEN	.97	1.07	.21	.25	15.01	15.53	22.87	25.38	26.74	29.24
LOCOMOTIVE ENGINEERS	.00	.00	.03	.01	.03	.02	.03	.03	.03	.03
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	11.49	12.02	2.33	2.22	5.23	5.59	.74	.93	.66	.94
AIRPLANE MECH AND REPAIRMN	.02	.30	.04	.03	.00	.00	.00	.01	.01	.01
MOTOR VEHICLE MECHANICS	.35	.28	.23	.13	.35	.44	.09	.10	.10	.11
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.01	.02	.02	.03	.02	.03
RADIO AND TV MECHANICS	.08	.13	.02	.02	.09	.06	.14	.12	.06	.08
RR AND CAR SHOP MECHANICS	.00	.00	.22	.08	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	11.03	11.31	1.81	1.96	4.77	5.06	.49	.68	.47	.70

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	PIPELINES		TRANSPORTATION SERVICES		TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	16.68	11.98	1.15	1.19	2.66	2.98	.62	.67	.46	.50
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.22	.20	.13	.14	.14	.23	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.46	.00	.59	.52	.63	.82	.19	.21	.19	.22
UPHOLSTERERS	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01
CRAFTSMEN AND KINDRED NEC	16.00	11.78	.42	.53	1.89	1.53	.42	.44	.26	.28
OPERATIVES AND KINDRED WORKERS	20.88	18.76	5.62	2.34	9.08	10.77	1.25	1.04	1.03	.83
DRIVERS AND DELIVERYMEN	2.30	2.16	2.38	1.51	3.42	5.67	.39	.39	.37	.39
DRIVERS,BUS,TRUCK,TRACTOR	2.25	2.11	2.00	1.35	3.18	5.41	.20	.20	.23	.22
DELIVERYMEN AND ROUTEMEN	.05	.05	.38	.16	.24	.27	.18	.19	.14	.17
TRANSP AND PUB UTIL OPERATVS	.25	.22	.07	.03	.89	.62	.08	.00	.09	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.04	.00	.08	.00	.09	.00
POWER STATION OPERATORS	.15	.14	.00	.00	.83	.61	.00	.00	.00	.00
SAILORS AND DECKHANDS	.10	.08	.07	.03	.01	.01	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	1.48	1.05	.00	.00	.34	.35	.01	.01	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	1.48	1.05	.00	.00	.34	.35	.01	.01	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	16.85	15.35	3.17	.80	4.42	4.12	.78	.64	.57	.43
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.03	.04	.09	.03	.05	.04	.02	.02	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	16.82	15.31	3.08	.77	4.36	4.06	.76	.62	.55	.42
SERVICE WORKERS	1.18	.90	8.22	6.32	2.07	1.78	2.36	2.12	2.36	2.19
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.39	.34	6.85	4.65	.31	.21	.09	.07	.05	.04
FIREMEN	.15	.20	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.25	.15	5.62	2.65	.30	.19	.09	.06	.04	.03
POLICE,OTH LAW ENFORCE OFF	.00	.00	1.22	2.00	.01	.02	.01	.01	.01	.01
FOOD SERVICE WORKERS	.00	.00	.05	.06	.16	.13	.30	.26	.35	.30
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.05	.06	.06	.05	.12	.10	.13	.11
COUNTER AND FOUNTAIN WKRS	.00	.00	.00	.00	.05	.04	.10	.08	.11	.09
WAITERS AND WAITRESSES	.00	.00	.00	.00	.05	.04	.09	.09	.11	.10
OTHER SERVICE WORKERS	.79	.56	1.32	1.62	1.60	1.44	1.96	1.78	1.97	1.84
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.00	.00	.00	.00	.18	.20	.27	.28	.29	.29
JANITORS AND SEXTONS	.24	.16	.18	.14	.86	.79	.96	.97	1.00	1.08
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.55	.40	1.13	1.48	.55	.44	.74	.53	.68	.47
LABORERS,EXCEPT FARM AND MINE	5.08	2.92	9.34	4.65	8.75	8.98	.83	.58	.87	.60
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TELEGRAPH		RADIO AND TELEVISION		PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	4.12	5.31	49.37	46.28	7.86	6.88	9.81	12.78	5.69	7.54
ENGINEERS,TECHNICAL	.48	.68	2.68	2.05	3.21	3.22	3.91	4.54	2.68	2.99
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.05	.04	.06	.05	.01	.01
ENGINEERS,CIVIL	.00	.00	.01	.01	.69	.75	.48	.47	1.81	2.04
ENGINEERS,ELECTRICAL	.29	.37	2.50	1.91	1.57	1.52	2.20	2.60	.30	.34
ENGINEERS,INDUSTRIAL	.07	.13	.04	.04	.12	.12	.17	.19	.03	.06
ENGINEERS,MECHANICAL	.04	.05	.04	.03	.41	.36	.52	.53	.21	.20
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.05	.05	.07	.09	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
OTHER ENGINEERS,TECHNICAL	.07	.14	.05	.10	.32	.39	.39	.60	.33	.35
NATURAL SCIENTISTS	.00	.00	.00	.00	.19	.26	.13	.17	.50	.59
CHEMISTS	.00	.00	.00	.00	.09	.16	.05	.09	.18	.24
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.03	.02	.02	.01	.13	.13
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.04	.05	.03	.04	.14	.15
MATHEMATICIANS	.00	.00	.00	.00	.02	.02	.02	.03	.03	.04
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
TECHNICIANS,EXC MEDICAL,DENT	2.37	3.18	17.66	15.05	2.08	2.88	2.53	3.98	1.71	2.83
DRAFTSMEN	.14	.26	.02	.02	.70	.77	.92	1.20	.36	.47
SURVEYORS	.00	.00	.00	.00	.25	.29	.28	.36	.34	.52
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.46	.42	2.45	2.11	.05	.04	.06	.06	.06	.09
TECHNICIANS,OTHER	1.77	2.50	15.19	12.92	1.09	1.78	1.27	2.36	.96	1.75
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.05	.04	.04	.04	.06	.06	.00	.00
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.01	.01	.02	.02	.03	.03	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
VETERINARIANS	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.18	.24	.01	.01	.02	.01	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.18	.24	.01	.01	.02	.01	.00	.00
SOCIAL SCIENTISTS	.04	.02	.01	.02	.18	.19	.25	.33	.01	.01
ECONOMISTS	.00	.00	.01	.02	.08	.09	.12	.15	.01	.01
STATISTICIANS + ACTUARIES	.04	.02	.00	.00	.09	.09	.13	.16	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
OTHER PROF,TECH AND KINDRED	1.24	1.43	28.78	28.85	2.13	2.29	2.90	3.69	.78	1.12
ACCOUNTANTS AND AUDITORS	.30	.20	.82	.55	1.17	1.04	1.57	1.56	.58	.92
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.03	.04	.04	.06	.00	.00
ARCHITECTS	.00	.00	.00	.00	.01	.01	.02	.02	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.04	.06	6.36	5.02	.04	.02	.06	.03	.02	.01
CLERGYMEN	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.04	.04	.11	.10	.07	.10	.10	.18	.02	.01
EDITORS AND REPORTERS	.04	.04	3.48	3.82	.04	.02	.05	.04	.00	.00
LAWYERS AND JUDGES	.04	.03	.14	.11	.09	.07	.13	.12	.00	.00
LIBRARIANS	.00	.00	.09	.04	.01	.01	.01	.02	.00	.00
PERSONNEL AND LAB REL WRKS	.04	.02	.11	.12	.18	.17	.26	.30	.02	.03
PHOTOGRAPHERS	.04	.01	.63	.55	.02	.02	.02	.03	.02	.02
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.71	1.04	17.03	18.11	.47	.79	.65	1.33	.13	.14
MANAGERS,OFFICIALS,PROPRIETORS	9.31	9.65	22.24	23.94	5.73	5.44	5.60	6.28	9.57	8.68
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.03	.08	.06	.03	.09	.03	.02	.05
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.00	.00	.05	.07	.16	.20	.20	.29	.14	.20
MANAGERS,OFFICE,PROP. NEC	9.31	9.65	22.15	23.79	5.50	5.22	5.31	5.97	9.41	8.43

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TELEGRAPH		RADIO AND TELEVISION		PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	65.34	57.26	14.87	16.08	19.56	16.21	23.62	21.21	21.15	23.85
STENOS, TYPISTS,SECRETARIES	10.64	10.37	6.93	8.37	3.38	3.26	4.07	4.40	3.34	3.98
OFFICE MACHINE OPERATORS	.69	.73	.38	.51	1.04	.56	1.32	1.35	.94	1.46
OTHER CLERICAL,KINDRED WRKRS	54.01	46.16	7.57	7.19	15.15	11.99	18.22	15.46	16.87	18.42
ACCOUNTING CLERKS	.74	.73	.90	.68	1.42	.91	1.71	1.06	1.51	1.74
BOOKKEEPERS,HAND	.80	.79	1.21	.96	.62	.56	.72	.68	.83	.99
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.85	.85	.02	.01	.79	.71	.97	1.04	.91	.84
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.00	.00	.00	.00	.05	.04	.07	.07	.02	.01
TELEPHONE OPERATORS	7.35	4.26	.59	.43	.40	.17	.53	.27	.16	.06
CLERICAL AND KINDRED,NEC	44.28	39.53	4.84	5.12	11.87	9.59	14.22	12.34	13.44	14.77
SALES WORKERS	1.45	2.06	5.10	5.65	.85	.73	1.16	1.23	.10	.07
CRAFTSMEN,FOREMEN AND KINDRED	12.58	20.90	3.89	3.76	32.27	32.30	38.21	41.78	31.44	34.92
CONSTRUCTION CRAFTSMEN	.20	.17	.65	.70	4.57	3.90	5.49	5.14	4.20	4.07
CARPENTERS	.05	.07	.16	.17	.22	.16	.26	.20	.25	.19
BRICKMASONS AND TILE SETRS	.00	.00	.02	.03	.03	.04	.03	.04	.06	.06
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.01	.00	.00	.00	.02	.03
ELECTRICIANS	.10	.08	.35	.38	1.90	1.31	2.64	2.21	.34	.19
EXCAVATNG,GRADNG MACH OPER	.00	.00	.00	.00	.57	.70	.42	.38	1.07	1.22
PAINTERS AND PAPERHANGERS	.05	.02	.12	.12	.22	.18	.27	.27	.17	.11
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.00	.00	1.58	1.47	1.81	1.97	2.25	2.27
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.04	.04	.06	.07	.00	.00
FOREMEN NEC	1.46	1.73	.13	.10	5.39	5.54	6.02	6.41	5.12	5.81
METALWKNG CRAFTS EXC MECH	.01	.01	.00	.00	.54	.39	.67	.54	.39	.29
MACHINISTS AND RELATED OCC	.01	.01	.00	.00	.29	.20	.34	.26	.27	.18
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.00	.00	.05	.03	.04	.02	.10	.09
BOILERMAKERS	.00	.00	.00	.00	.11	.05	.16	.17	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.02	.01	.02	.01	.02	.02
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.00	.00	.04	.02	.05	.04	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.03	.02	.04	.04	.00	.00
PRINTING TRADES CRAFTSMEN	.10	.09	.04	.05	.04	.02	.05	.04	.02	.02
COMPOSITORS,TYPESETTERS	.08	.07	.02	.03	.03	.02	.03	.03	.02	.02
ELECTROTYPERS,STEREOTYPERS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.02	.03	.01	.00	.01	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	8.82	16.45	.23	.45	8.00	8.04	11.52	14.14	.27	.44
LINEMEN AND SERVICEMEN	8.82	16.45	.23	.45	7.98	8.02	11.49	14.10	.27	.44
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.02	.02	.03	.03	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00
MECHANICS AND REPAIRMEN	1.00	.98	1.23	.86	9.24	9.49	10.33	11.00	12.57	14.99
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.10	.04	.00	.00	.59	.73	.64	.65	.25	.35
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00
RADIO AND TV MECHANICS	.19	.25	.73	.33	.04	.02	.05	.02	.02	.04
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.72	.69	.50	.53	8.61	8.73	9.63	10.32	12.30	14.60

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TELEGRAPH		RADIO AND TELEVISION		PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.99	1.47	1.60	1.60	4.49	4.93	4.13	4.52	8.86	9.30
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.25	.42	.22	.25	.21	.32
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.02	.04	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.55	.79	.02	.00	1.02	1.33	.79	1.01	1.85	1.99
UPHOLSTERERS	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.42	.65	1.56	1.54	3.21	3.17	3.12	3.26	6.80	6.99
OPERATIVES AND KINDRED WORKERS	4.54	3.15	1.40	1.94	16.08	18.52	12.40	10.40	15.93	14.98
DRIVERS AND DELIVERYMEN	1.34	1.24	.10	.11	6.14	10.10	2.48	2.66	2.63	2.66
DRIVERS,BUS,TRUCK,TRACTOR	.09	.05	.08	.07	5.85	9.77	2.26	2.34	2.36	2.46
DELIVERYMEN AND ROUTEMEN	1.25	1.19	.02	.04	.29	.33	.23	.32	.27	.20
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	1.61	1.15	2.27	1.91	.22	.35
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.02	.00	.02	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	1.58	1.12	2.24	1.90	.22	.35
SAILORS AND DECKHANDS	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00
SEMISKILLED METALWORKING OCC	.07	.36	.00	.00	.65	.63	.88	1.06	.14	.12
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.07	.36	.00	.00	.65	.63	.88	1.06	.14	.12
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	3.13	1.55	1.29	1.83	7.68	7.04	6.76	4.78	12.95	11.84
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.03	.03	.05	.05	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.02	.00	.08	.06	.11	.11	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	3.13	1.55	1.27	1.83	7.57	6.95	6.59	4.62	12.92	11.83
SERVICE WORKERS	2.03	1.57	2.50	1.80	1.81	1.49	2.10	1.93	1.66	1.27
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.55	.51	.26	.16	.51	.33	.47	.29	.77	.42
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.55	.51	.24	.12	.49	.30	.44	.28	.77	.42
POLICE,OTH LAW ENFORCE OFF	.00	.00	.02	.04	.02	.03	.02	.02	.00	.00
FOOD SERVICE WORKERS	.06	.03	.06	.03	.03	.01	.04	.02	.00	.00
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.06	.03	.06	.03	.02	.00	.03	.00	.00	.00
COUNTER AND FOUNTAIN WKRS	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00
WAITERS AND WAITRESSES	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
OTHER SERVICE WORKERS	1.42	1.03	2.18	1.61	1.28	1.15	1.59	1.62	.89	.85
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.12	.15	.17	.27	.11	.14	.13	.17	.12	.22
JANITORS AND SEXTONS	.56	.44	.79	.37	.78	.64	.99	.96	.51	.44
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.74	.45	1.21	.97	.38	.37	.47	.49	.26	.19
LABORERS,EXCEPT FARM AND MINE	.63	.09	.64	.54	15.84	16.02	7.10	4.37	14.46	8.68
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SANITARY SERVICES		WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	1.91	2.13	1.92	2.16	2.37	3.45	1.17	1.55	4.22	5.49
ENGINEERS,TECHNICAL	.93	.84	.11	.17	.38	.65	.16	.24	.31	.68
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.02	.01	.00	.00	.01	.01	.00	.00	.12	.14
ENGINEERS,CIVIL	.73	.67	.01	.00	.02	.01	.00	.00	.01	.00
ENGINEERS,ELECTRICAL	.05	.02	.01	.01	.03	.05	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.01	.01	.01	.00	.01	.01	.01	.01	.01	.04
ENGINEERS,MECHANICAL	.10	.11	.02	.01	.04	.03	.01	.00	.03	.06
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
ENGINEERS,MINING	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.01	.01	.07	.14	.26	.53	.14	.23	.13	.43
NATURAL SCIENTISTS	.20	.29	.02	.03	.06	.10	.00	.00	.33	.20
CHEMISTS	.19	.27	.01	.01	.03	.03	.00	.00	.26	.17
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.01	.01	.01	.02	.02	.07	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.03
TECHNICIANS,EXC MEDICAL,DENT	.62	.82	.16	.22	.47	.75	.15	.23	.98	1.37
DRAFTSMEN	.10	.08	.04	.05	.09	.14	.01	.00	.09	.21
SURVEYORS	.06	.03	.00	.00	.01	.02	.03	.03	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.46	.70	.11	.17	.37	.55	.11	.19	.89	1.16
MEDICAL,OTHER HEALTH WORKERS	.03	.01	.83	.63	.04	.04	.01	.01	.43	.32
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01
OPTOMETRISTS	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.78	.60	.02	.02	.00	.00	.39	.27
PHYSICIANS AND SURGEONS	.01	.00	.00	.00	.00	.00	.00	.00	.02	.04
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.04	.08	.04	.09	.05	.09	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.04	.08	.04	.09	.05	.09	.00	.00
SOCIAL SCIENTISTS	.02	.00	.02	.03	.06	.09	.07	.05	.15	.15
ECONOMISTS	.00	.00	.01	.01	.04	.05	.03	.03	.11	.11
STATISTICIANS + ACTUARIES	.00	.00	.01	.02	.02	.03	.03	.02	.04	.04
OTHER SOCIAL SCIENTISTS	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.11	.17	.74	1.01	1.31	1.74	.74	.93	2.02	2.77
ACCOUNTANTS AND AUDITORS	.05	.10	.36	.37	.87	.54	.53	.54	1.12	1.24
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.01	.01	.02	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	.13	.16	.03	.02	.00	.00	.02	.01
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN CRAFT	.00	.00	.04	.06	.06	.07	.01	.02	.02	.04
EDITORS AND REPORTERS	.00	.00	.01	.03	.01	.02	.00	.00	.03	.07
LAWYERS AND JUDGES	.00	.00	.01	.01	.03	.03	.00	.00	.13	.11
LIBRARIANS	.01	.00	.00	.00	.00	.00	.00	.00	.03	.07
PERSONNEL AND LAB REL WRKS	.00	.00	.06	.10	.07	.10	.03	.03	.05	.11
PHOTOGRAPHERS	.00	.00	.01	.01	.01	.01	.00	.00	.02	.04
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
PROF,TECH,KINDRED,NEC	.04	.05	.11	.25	.22	.52	.16	.34	.55	1.07
MANAGERS,OFFICIALS,PROPRIETORS	3.49	2.38	24.18	19.72	22.10	21.46	27.16	28.17	17.23	18.31
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.22	.26	.30	.33	.27	.21	.44	.27
OFFICERS,PILOTS,ENGRS,SHIP	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.01	.03	.15	.15	.45	.47	.88	.57	.45	.22
MANAGERS,OFFICE,PROP. NEC	3.46	2.33	23.81	19.30	21.34	20.65	26.01	27.38	16.34	17.82

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SANITARY SERVICES		WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	2.92	3.25	13.98	17.12	21.83	22.16	24.00	24.09	29.72	29.45
STENOS, TYPISTS,SECRETARIES	.73	.76	2.03	2.30	5.12	5.19	3.69	2.95	7.29	6.39
OFFICE MACHINE OPERATORS	.01	.01	.75	.97	1.62	2.14	1.84	2.43	1.98	2.27
OTHER CLERICAL,KINDRED WRKRS	2.18	2.48	11.21	13.85	15.09	14.63	16.47	18.71	20.46	20.79
ACCOUNTING CLERKS	.24	.25	.77	.77	1.47	1.47	1.19	1.03	1.01	.75
BOOKKEEPERS,HAND	.11	.11	2.02	2.05	2.21	2.13	3.60	3.09	.14	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.02	.03	2.61	4.19	.19	.16	.08	.05	.26	.26
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.00	.00	.72	.60	1.98	1.39	2.74	1.96	3.09	1.93
TELEPHONE OPERATORS	.04	.04	.17	.23	.27	.33	.27	.29	.38	.26
CLERICAL AND KINDRED,NEC	1.76	2.04	4.92	6.02	6.97	9.35	10.60	12.29	15.57	17.59
SALES WORKERS	.16	.10	23.10	22.42	20.48	20.28	27.91	26.03	27.19	25.10
CRAFTSMEN,FOREMEN AND KINDRED	10.13	13.20	6.71	8.20	5.66	8.13	4.83	6.24	2.37	2.87
CONSTRUCTION CRAFTSMEN	1.33	1.48	.52	.52	.42	.38	.17	.10	.16	.15
CARPENTERS	.07	.07	.21	.23	.13	.15	.00	.00	.07	.12
BRICKMASONS AND TILE SETRS	.04	.03	.04	.05	.01	.01	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.14	.11	.06	.05	.09	.07	.06	.04	.01	.00
EXCAVATNG,GRADNG MACH OPER	.78	1.08	.02	.02	.04	.03	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.07	.04	.09	.08	.07	.06	.08	.04	.07	.03
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.20	.15	.09	.08	.06	.05	.02	.02	.00	.00
ROOFERS AND SLATERS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.01	.01	.00	.00	.00	.01	.00	.00	.00	.00
FOREMEN NEC	3.14	3.77	.74	1.01	1.53	2.29	1.83	2.59	1.41	1.93
METALWKNG CRAFTS EXC MECH	.17	.15	.06	.04	.11	.07	.06	.04	.01	.01
MACHINISTS AND RELATED OCC	.13	.11	.00	.00	.01	.01	.01	.00	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.03	.02	.00	.00	.01	.01	.01	.02	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.01	.01	.00	.01	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.04	.03	.05	.03	.01	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.01	.00	.01	.00	.03	.02	.00	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.03	.04	.04	.04	.03	.03	.06	.04
COMPOSITORS,TYPESETTERS	.00	.00	.02	.02	.03	.03	.02	.02	.05	.03
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.01	.00	.01	.01	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	2.72	4.11	4.01	5.05	2.79	4.43	2.61	3.28	.52	.59
AIRPLANE MECH AND REPAIRMN	.00	.00	.01	.02	.02	.04	.00	.00	.01	.01
MOTOR VEHICLE MECHANICS	.64	1.06	2.40	2.69	.32	.37	1.72	1.74	.00	.00
OFFICE MACHINE MECHANICS	.00	.00	.25	.41	.77	1.33	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.24	.21	.05	.04	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	2.09	3.05	1.11	1.72	1.63	2.65	.89	1.54	.51	.58

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	SANITARY SERVICES		WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	2.76	3.69	1.36	1.55	.76	.91	.14	.20	.22	.15
BAKERS	.00	.00	.18	.16	.01	.01	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.13	.14	.02	.01	.02	.03	.00	.00
CRANE,DERRICK,HOIST MEN	.42	.78	.05	.07	.16	.27	.01	.01	.00	.00
GLAZIERS	.00	.00	.05	.07	.04	.07	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.13	.10	.03	.02	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.07	.07	.07	.02	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.01	.01	.02	.02	.00	.00	.00	.00
INSPECTORS,OTHER	1.32	1.65	.05	.05	.12	.12	.06	.03	.09	.06
UPHOLSTERERS	.00	.00	.07	.09	.02	.00	.01	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	1.02	1.26	.63	.78	.28	.39	.04	.13	.13	.09
OPERATIVES AND KINDRED WORKERS	30.29	36.81	12.72	12.55	19.48	16.16	10.71	10.37	14.34	14.54
DRIVERS AND DELIVERYMEN	22.63	27.57	4.62	4.38	10.55	9.38	5.62	6.00	6.51	8.45
DRIVERS,BUS,TRUCK,TRACTOR	22.07	27.17	3.15	2.43	7.98	5.46	3.52	3.20	4.90	5.84
DELIVERYMEN AND ROUTEMEN	.57	.40	1.47	1.95	2.57	3.92	2.10	2.81	1.61	2.61
TRANSP AND PUB UTIL OPERATVS	.05	.07	.01	.01	.02	.03	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.04	.06	.00	.01	.02	.02	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.10	.07	.12	.14	.40	.47	.24	.37	.02	.01
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.10	.07	.12	.14	.40	.47	.24	.37	.02	.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	7.51	9.10	7.97	8.02	8.51	8.30	4.84	4.00	7.81	6.07
ASBESTOS,INSULATION WRKS	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	2.63	2.58	.07	.01	.11	.11	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	1.36	1.15	.44	.45	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	7.51	9.10	3.96	4.27	7.99	7.82	4.74	3.89	7.79	6.05
SERVICE WORKERS	.82	.75	13.08	13.81	1.00	.91	.81	.70	.96	.90
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.48	.35	.13	.10	.21	.10	.11	.04	.08	.03
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.45	.29	.12	.09	.20	.09	.11	.04	.08	.03
POLICE,OTH LAW ENFORCE OFF	.03	.06	.01	.01	.00	.01	.00	.00	.00	.00
FOOD SERVICE WORKERS	.00	.00	9.39	9.89	.06	.04	.07	.05	.08	.13
BARTENDERS	.00	.00	1.11	1.11	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	2.38	2.60	.04	.02	.03	.01	.07	.09
COUNTER AND FOUNTAIN WKRS	.00	.00	.65	.97	.01	.00	.01	.01	.02	.00
WAITERS AND WAITRESSES	.00	.00	5.21	5.20	.02	.01	.03	.03	.00	.04
OTHER SERVICE WORKERS	.34	.40	3.56	3.82	.73	.78	.62	.61	.80	.74
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.03	.03	.18	.30	.08	.17	.02	.02	.12	.17
JANITORS AND SEXTONS	.19	.14	.35	.37	.25	.24	.35	.33	.21	.19
NURSES,PRACTICAL	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.11	.22	3.03	3.15	.39	.37	.26	.26	.47	.38
LABORERS,EXCEPT FARM AND MINE	50.28	41.38	4.31	4.02	7.08	5.44	3.41	2.85	3.97	3.35
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	DRY GOODS AND APPAREL		GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	2.22	2.82	1.05	.50	2.88	3.68	3.95	6.17	2.09	2.96
ENGINEERS,TECHNICAL	.09	.28	.04	.03	.84	1.25	.85	1.54	.27	.31
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.01	.02	.00	.00	.00	.00	.01	.01	.01	.00
ENGINEERS,CIVIL	.00	.00	.00	.00	.01	.01	.01	.00	.04	.03
ENGINEERS,ELECTRICAL	.01	.05	.00	.00	.13	.02	.06	.20	.01	.01
ENGINEERS,INDUSTRIAL	.02	.07	.00	.00	.01	.00	.02	.00	.01	.02
ENGINEERS,MECHANICAL	.03	.07	.02	.01	.08	.08	.07	.04	.03	.01
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01
OTHER ENGINEERS,TECHNICAL	.03	.07	.02	.02	.61	1.13	.68	1.25	.15	.22
NATURAL SCIENTISTS	.01	.02	.03	.03	.03	.04	.15	.35	.03	.03
CHEMISTS	.01	.02	.03	.03	.01	.01	.00	.00	.03	.03
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.03	.03	.13	.34	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.26	.36	.24	.25	.59	.76	.99	1.57	.34	.53
DRAFTSMEN	.00	.00	.02	.02	.05	.00	.20	.24	.12	.21
SURVEYORS	.00	.00	.00	.00	.00	.00	.01	.04	.01	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.14	.36	.22	.23	.54	.76	.77	1.29	.20	.31
MEDICAL,OTHER HEALTH WORKERS	.05	.03	.01	.02	.01	.01	.06	.03	.01	.01
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.05	.03	.00	.00	.01	.01	.00	.00	.01	.01
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.01	.02	.00	.00	.05	.03	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.05	.07	.14	.25	.02	.06
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.05	.07	.14	.25	.02	.06
SOCIAL SCIENTISTS	.00	.00	.02	.02	.07	.13	.06	.06	.07	.12
ECONOMISTS	.00	.00	.01	.01	.05	.09	.04	.05	.04	.06
STATISTICIANS + ACTUARIES	.00	.00	.01	.01	.02	.04	.02	.01	.03	.06
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.80	2.13	.70	.55	1.29	1.42	1.70	2.35	1.36	1.92
ACCOUNTANTS AND AUDITORS	.65	.77	.54	.25	1.03	1.06	.98	1.05	.97	1.13
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.01	.03	.01	.03	.02	.05	.01	.01
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.12	.15	.02	.03	.01	.00	.03	.04	.03	.01
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN CRAFT	.64	.42	.00	.00	.02	.02	.09	.12	.04	.07
EDITORS AND REPORTERS	.00	.00	.01	.01	.03	.08	.01	.00	.01	.01
LAWYERS AND JUDGES	.00	.00	.01	.01	.01	.00	.04	.04	.04	.04
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.00	.00	.04	.04	.06	.09	.10	.10	.06	.14
PHOTOGRAPHERS	.03	.05	.00	.00	.01	.03	.02	.02	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.36	.74	.07	.18	.11	.12	.42	.93	.17	.50
MANAGERS,OFFICIALS,PROPRIETORS	24.52	24.95	16.52	15.22	22.79	24.52	22.21	21.05	23.71	21.22
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.44	.42	.08	.04	.55	.47	.30	.36	.29	.40
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.01	.01	.00	.00	.03	.00	.01	.01
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.38	.43	.10	.03	1.09	1.40	.59	.52	.28	.30
MANAGERS,OFFICE,PROP. NEC	23.70	24.10	16.33	15.14	21.15	22.64	21.29	20.17	23.13	20.51

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	DRY GOODS AND APPAREL		GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	27.67	27.03	14.74	14.46	30.02	26.53	23.09	22.32	19.68	20.97
STENOS, TYPISTS,SECRETARIES	6.04	5.34	2.42	2.18	7.40	6.65	7.34	8.35	4.52	4.25
OFFICE MACHINE OPERATORS	1.59	1.97	1.53	1.85	1.69	1.91	1.10	1.91	1.76	2.37
OTHER CLERICAL,KINDRED WRKRS	20.03	19.72	10.80	10.43	20.93	17.77	14.66	12.06	13.40	14.35
ACCOUNTING CLERKS	1.49	1.57	1.43	1.42	1.11	.79	1.58	1.93	1.65	1.67
BOOKKEEPERS,HAND	3.02	3.23	2.16	2.14	2.93	2.91	1.23	1.17	2.39	2.36
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.15	.15	.27	.31	.23	.11	.13	.11	.19	.15
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	4.09	3.51	1.34	.78	3.68	2.23	1.85	1.28	1.28	.91
TELEPHONE OPERATORS	.26	.25	.15	.20	.42	.48	.31	.39	.25	.33
CLERICAL AND KINDRED,NEC	11.02	11.00	5.46	5.59	12.56	11.23	9.56	7.18	7.65	8.93
SALES WORKERS	29.43	29.73	15.73	16.33	25.38	28.30	26.29	22.54	15.34	14.36
CRAFTSMEN,FOREMEN AND KINDRED	1.92	2.50	2.97	3.50	5.31	5.05	13.23	18.71	4.85	6.94
CONSTRUCTION CRAFTSMEN	.00	.00	.13	.09	.77	.56	.54	.41	.52	.54
CARPENTERS	.00	.00	.05	.04	.07	.08	.09	.06	.24	.33
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.00	.00	.03	.01	.38	.34	.08	.04	.05	.04
EXCAVATNG,GRADNG MACH OPER	.00	.00	.01	.01	.00	.00	.08	.06	.07	.04
PAINTERS AND PAPERHANGERS	.00	.00	.03	.02	.07	.01	.15	.14	.07	.06
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.01	.01	.24	.11	.13	.12	.03	.04
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.01	.04	.00	.00	.01	.01
FOREMEN NEC	1.19	1.81	1.81	2.56	1.22	1.66	1.19	1.63	1.64	2.82
METALWKNG CRAFTS EXC MECH	.00	.00	.04	.04	.23	.10	.16	.07	.12	.10
MACHINISTS AND RELATED OCC	.00	.00	.03	.03	.01	.01	.02	.02	.01	.01
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.00	.00	.00	.00	.02	.00	.01	.01
BOILERMAKERS	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.02	.05	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
SHEET METAL WORKERS	.00	.00	.01	.01	.15	.00	.10	.05	.05	.05
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.01	.00	.01	.00	.01	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.04	.05	.00	.00	.05	.07	.05	.04
COMPOSITORS,TYPESETTERS	.00	.00	.03	.03	.00	.00	.05	.07	.04	.02
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.01	.01	.00	.00	.00	.00	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.04	.02	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.04	.02	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.13	.15	.71	.60	2.78	2.39	10.10	15.26	1.34	1.91
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.02	.08	.10	.14	.00	.00
MOTOR VEHICLE MECHANICS	.00	.00	.14	.11	.02	.02	.22	.17	.35	.45
OFFICE MACHINE MECHANICS	.01	.02	.00	.00	.03	.10	4.78	6.56	.01	.04
RADIO AND TV MECHANICS	.00	.00	.01	.01	.37	.32	.01	.01	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.12	.13	.56	.49	2.34	1.87	4.99	8.36	.98	1.43

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	DRY GOODS AND APPAREL		GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.60	.55	.23	.16	.27	.31	1.19	1.25	1.17	1.53
BAKERS	.00	.00	.04	.06	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.02	.00	.03	.01	.04	.01
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.02	.04	.07	.07	.38	.69
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.09	.18
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.06	.05
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.01	.00	.00	.00	.00	.00	.42	.08	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.06	.04
INSPECTORS,OTHER	.20	.18	.07	.02	.03	.00	.09	.14	.18	.21
UPHOLSTERERS	.01	.01	.00	.00	.00	.00	.01	.01	.03	.00
CRAFTSMEN AND KINDRED NEC	.37	.36	.12	.08	.18	.27	.56	.94	.32	.35
OPERATIVES AND KINDRED WORKERS	11.52	10.78	37.70	40.88	8.55	8.16	7.48	6.35	23.19	23.70
DRIVERS AND DELIVERYMEN	1.68	2.04	17.31	17.16	4.86	5.78	3.79	3.96	14.62	12.75
DRIVERS,BUS,TRUCK,TRACTOR	.89	1.00	11.79	8.85	4.10	4.87	2.61	2.17	11.76	7.32
DELIVERYMEN AND ROUTEMEN	.80	1.04	5.52	8.31	.76	.91	1.18	1.79	2.85	5.43
TRANSP AND PUB UTIL OPERATVS	.00	.00	.01	.01	.00	.00	.02	.02	.04	.06
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.01	.01	.00	.00	.02	.02	.03	.05
SEMISKILLED METALWORKING OCC	.00	.00	.02	.01	.14	.09	.63	.74	.67	.76
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.02	.01	.14	.09	.63	.74	.67	.76
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	9.84	8.73	20.36	23.70	3.54	2.28	3.03	1.63	7.86	10.13
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.01	.02	.03	.03
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.01	.00	.00	.00	.15	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.05	.01	.01	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	2.64	3.61	.00	.00	.00	.00	.01	.01
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	9.84	8.68	17.71	20.08	3.53	2.28	3.02	1.61	7.67	10.09
SERVICE WORKERS	1.30	1.11	1.10	.79	.72	.61	.91	.68	1.08	1.21
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.17	.18	.20	.03	.08	.01	.14	.12	.32	.16
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.14	.13	.20	.03	.08	.01	.13	.08	.32	.16
POLICE,OTH LAW ENFORCE OFF	.02	.05	.00	.00	.00	.00	.01	.04	.00	.00
FOOD SERVICE WORKERS	.02	.02	.13	.13	.01	.03	.02	.02	.07	.00
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.09	.09	.01	.03	.01	.01	.03	.00
COUNTER AND FOUNTAIN WKRS	.00	.00	.03	.02	.00	.00	.00	.00	.01	.00
WAITERS AND WAITRESSES	.02	.02	.02	.03	.00	.00	.01	.01	.02	.00
OTHER SERVICE WORKERS	1.11	.91	.77	.64	.62	.58	.75	.54	.69	1.05
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.02	.02	.08	.13	.10	.18	.08	.15	.05	.24
JANITORS AND SEXTONS	.12	.10	.27	.27	.20	.16	.32	.28	.23	.24
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.96	.79	.42	.24	.33	.23	.35	.12	.37	.57
LABORERS,EXCEPT FARM AND MINE	1.43	1.08	10.19	7.91	4.36	3.14	2.84	2.16	10.05	8.64
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	1.78	1.75	.68	.70	1.21	1.53	.59	.74	1.38	1.65
ENGINEERS,TECHNICAL	.03	.02	.14	.11	.04	.03	.01	.00	.05	.03
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.01	.01	.02	.01	.00	.00	.02	.01
ENGINEERS,MECHANICAL	.01	.01	.04	.01	.01	.01	.00	.00	.01	.01
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.01	.01	.09	.08	.01	.01	.00	.00	.01	.01
NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHEMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.05	.05	.16	.18	.06	.02	.11	.11	.04	.01
DRAFTSMEN	.02	.02	.11	.12	.04	.01	.02	.00	.04	.01
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.03	.03	.05	.06	.02	.01	.09	.11	.00	.00
MEDICAL,OTHER HEALTH WORKERS	1.08	.81	.00	.00	.07	.05	.00	.00	.05	.06
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.01	.01	.00	.00	.01	.01	.00	.00	.01	.01
NURSES,PROFESSIONAL	.01	.01	.00	.00	.03	.03	.00	.00	.04	.04
OPTOMETRISTS	.03	.00	.00	.00	.01	.00	.00	.00	.01	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	1.02	.79	.00	.00	.01	.01	.00	.00	.01	.01
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.04	.08	.00	.00	.08	.12	.03	.01	.10	.14
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.04	.08	.00	.00	.08	.12	.03	.01	.10	.14
SOCIAL SCIENTISTS	.01	.01	.00	.00	.03	.04	.00	.00	.04	.05
ECONOMISTS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
STATISTICIANS + ACTUARIES	.01	.01	.00	.00	.03	.03	.00	.00	.03	.04
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.56	.78	.37	.41	.93	1.27	.44	.62	1.06	1.36
ACCOUNTANTS AND AUDITORS	.20	.20	.30	.30	.24	.26	.03	.03	.30	.30
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ARCHITECTS	.00	.00	.01	.00	.01	.00	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.16	.21	.01	.01	.15	.14	.02	.02	.18	.16
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.04	.06	.01	.02	.05	.07	.00	.00	.06	.08
EDITORS AND REPORTERS	.01	.03	.00	.00	.07	.14	.01	.00	.05	.16
LAWYERS AND JUDGES	.00	.01	.01	.01	.01	.01	.00	.00	.01	.01
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.06	.10	.01	.01	.25	.34	.32	.46	.23	.32
PHOTOGRAPHERS	.01	.01	.00	.00	.02	.02	.01	.00	.02	.03
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.07	.16	.02	.06	.13	.29	.05	.09	.16	.32
MANAGERS,OFFICIALS,PROPRIETORS	24.83	19.17	28.11	22.99	20.28	15.06	20.67	17.52	20.18	14.71
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.19	.24	.28	.29	.40	.49	.13	.28	.48	.52
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.06	.05	.22	.20	.06	.06	.02	.04	.07	.06
MANAGERS,OFFICE,PROP. NEC	24.58	18.88	27.60	22.50	19.82	14.52	20.52	17.20	19.63	14.14

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	11.51	15.55	14.35	15.77	17.14	21.87	12.01	17.15	18.50	22.55
STENOS, TYPISTS,SECRETARIES	1.05	1.40	2.13	2.96	1.65	1.85	.83	1.33	1.87	1.92
OFFICE MACHINE OPERATORS	.47	.60	.54	.54	.90	1.09	.22	.26	1.08	1.21
OTHER CLERICAL,KINDRED WRKRS	5.98	13.55	11.68	12.28	14.59	18.53	10.96	15.55	15.55	19.41
ACCOUNTING CLERKS	.54	.55	.64	.68	.90	.63	1.18	.83	.83	.60
BOOKKEEPERS,HAND	1.96	2.02	5.97	5.93	.92	.79	.00	.00	1.16	.91
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	3.37	5.45	.25	.53	2.58	4.32	3.82	6.70	2.25	3.98
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.33	.36	.50	.38	.87	.56	.33	.46	1.02	1.03
TELEPHONE OPERATORS	.13	.19	.10	.09	.41	.62	.03	.02	.51	.71
CLERICAL AND KINDRED,NEC	3.65	4.98	4.22	4.66	8.91	11.60	5.60	7.54	9.78	12.19
SALES WORKERS	23.92	23.09	21.77	17.80	45.78	45.31	53.40	48.17	43.76	44.90
CRAFTSMEN,FOREMEN AND KINDRED	7.05	8.23	14.11	19.72	3.69	4.69	1.72	2.29	4.22	5.04
CONSTRUCTION CRAFTSMEN	.55	.56	4.71	6.13	.37	.40	.20	.23	.42	.43
CARPENTERS	.23	.25	1.97	2.65	.17	.22	.12	.14	.19	.23
BRICKMASONS AND TILE SETRS	.04	.06	.40	.79	.00	.00	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.01	.03	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.06	.04	.25	.14	.05	.07	.00	.00	.06	.08
EXCAVATNG,GRADNG MACH OPER	.01	.01	.12	.20	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.09	.08	.50	.38	.14	.12	.08	.09	.15	.12
PLASTERERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.09	.08	1.25	1.54	.01	.00	.00	.00	.01	.00
ROOFERS AND SLATERS	.01	.02	.19	.40	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.49	.60	1.51	2.06	.81	.96	.69	.75	.84	.99
METALWKNG CRAFTS EXC MECH	.04	.03	.46	.44	.01	.00	.00	.00	.01	.00
MACHINISTS AND RELATED OCC	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.03	.02	.40	.38	.00	.00	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.02	.04	.01	.00	.05	.07	.03	.02	.06	.08
COMPOSITORS,TYPESETTERS	.02	.02	.00	.00	.04	.06	.02	.02	.05	.07
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.01	.00	.00	.00	.01	.01	.00	.00	.01	.01
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	4.40	5.24	5.71	7.62	1.24	2.24	.11	.18	1.54	2.54
AIRPLANE MECH AND REPAIRMN	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	3.05	3.42	.90	.70	.10	.18	.00	.00	.13	.21
OFFICE MACHINE MECHANICS	.09	.12	.01	.01	.01	.01	.00	.00	.01	.01
RADIO AND TV MECHANICS	.30	.27	.10	.09	.18	.36	.01	.04	.22	.41
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.94	1.43	4.69	6.82	.95	1.69	.10	.15	1.18	1.92

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	1.54	1.75	1.71	3.46	1.20	1.01	.69	1.11	1.34	1.00
BAKERS	.23	.21	.00	.00	.10	.13	.20	.26	.06	.11
CABINETMAKERS	.16	.18	.25	1.21	.05	.02	.00	.00	.06	.02
CRANE,DERRICK,HOIST MEN	.01	.01	.08	.13	.00	.00	.00	.00	.00	.00
GLAZIERS	.05	.07	.82	1.33	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.16	.13	.02	.01	.04	.03	.00	.00	.05	.03
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.07	.09	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.01	.01	.18	.29	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.03	.03	.01	.02	.09	.04	.00	.00	.11	.05
UPHOLSTERERS	.09	.12	.00	.00	.04	.04	.00	.00	.05	.05
CRAFTSMEN AND KINDRED NEC	.74	.51	.33	.46	.88	.76	.48	.85	.99	.74
OPERATIVES AND KINDRED WORKERS	10.59	10.79	12.50	15.70	3.97	3.79	.78	1.15	4.62	4.17
DRIVERS AND DELIVERYMEN	2.75	2.81	9.03	10.18	.95	1.24	.09	.15	1.18	1.39
DRIVERS,BUS,TRUCK,TRACTOR	1.63	1.48	8.04	8.74	.46	.52	.04	.07	.56	.59
DELIVERYMEN AND ROUTEMEN	1.12	1.33	1.00	1.44	.50	.71	.05	.08	.62	.80
TRANSP AND PUB UTIL OPERATVS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.03	.04	.21	.43	.00	.00	.00	.00	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.03	.04	.21	.43	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	7.80	7.93	3.25	5.08	3.01	2.55	.69	1.00	3.63	2.77
ASBESTOS,INSULATION WRKS	.01	.00	.06	.07	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	3.43	3.38	.04	.06	.12	.16	.02	.00	.15	.18
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.01	.00	.00	.01	.00	.00	.00	.02	.00
MEAT CUTTERS,EXC MEATPCKNG	1.65	1.37	.00	.00	.08	.10	.02	.02	.10	.11
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	2.70	3.16	3.14	4.95	2.79	2.29	.66	.98	3.36	2.48
SERVICE WORKERS	16.88	17.85	.91	.96	5.69	5.06	7.82	9.38	5.13	4.44
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.10	.10	.20	.19	.26	.23	.08	.06	.30	.25
FIREMEN	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.09	.09	.20	.19	.19	.18	.06	.05	.23	.20
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.06	.05	.01	.01	.07	.05
FOOD SERVICE WORKERS	12.33	12.98	.03	.02	1.93	1.99	5.27	6.33	1.04	1.36
BARTENDERS	1.46	1.46	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	3.12	3.41	.01	.01	.26	.23	.64	.66	.17	.17
COUNTER AND FOUNTAIN WKRS	.90	1.28	.01	.00	.37	.55	1.04	1.64	.19	.40
WAITERS AND WAITRESSES	6.84	6.83	.01	.01	1.29	1.21	3.59	4.03	.68	.80
OTHER SERVICE WORKERS	4.45	4.77	.68	.75	3.51	2.84	2.48	2.99	3.76	2.82
AIRLINE STEWARDS,STWRESSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00
CHARWOMEN AND CLEANERS	.21	.34	.14	.17	.14	.15	.10	.18	.15	.14
JANITORS AND SEXTONS	.39	.41	.35	.34	.43	.31	.35	.41	.45	.29
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
SERVICE WORKERS,NEC	3.86	4.02	.18	.24	2.92	2.39	2.02	2.40	3.16	2.38
LABORERS,EXCEPT FARM AND MINE	3.44	3.57	7.56	6.36	2.23	2.69	3.00	3.59	2.03	2.56
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.32	.46	.46	.46	.73	.69	.11	.13	.55	.53
ENGINEERS,TECHNICAL	.02	.03	.01	.00	.02	.00	.00	.00	.00	.00
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MECHANICAL	.01	.03	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00
NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHEMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.02	.01	.05	.09	.08	.14	.01	.01	.01	.00
DRAFTSMEN	.01	.01	.02	.03	.04	.05	.01	.01	.00	.00
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.00	.00	.03	.05	.04	.09	.00	.00	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.01	.00	.00	.00	.00	.00	.00	.00	.02	.03
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.01	.01	.02	.01	.02	.01	.02	.01	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.01	.01	.02	.01	.02	.01	.02	.01	.01
SOCIAL SCIENTISTS	.01	.01	.00	.00	.00	.00	.01	.00	.01	.01
ECONOMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.25	.40	.35	.36	.62	.54	.08	.11	.54	.48
ACCOUNTANTS AND AUDITORS	.17	.22	.33	.26	.54	.41	.06	.05	.17	.11
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	.01	.01	.02	.02	.00	.00	.09	.11
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN CRAFT	.00	.00	.00	.00	.00	.00	.00	.00	.13	.08
EDITORS AND REPORTERS	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00
LAWYERS AND JUDGES	.01	.02	.00	.00	.00	.00	.00	.00	.01	.01
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.03	.06	.01	.03	.01	.02	.01	.03	.05	.08
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.03	.09	.02	.04	.02	.04	.01	.02	.08	.09
MANAGERS,OFFICIALS,PROPRIETORS	27.82	20.64	28.51	23.41	25.45	22.24	32.59	25.04	27.34	21.54
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.19	.31	.31	.46	.02	.09	.48	.57
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.03	.03	.05	.04	.07	.06	.01	.01	.03	.01
MANAGERS,OFFICE,PROP. NEC	27.78	20.60	28.28	23.06	25.06	21.72	32.55	24.94	26.83	20.96

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	18.03	28.77	7.19	7.78	10.81	10.88	2.38	3.45	12.00	16.67
STENOS, TYPISTS,SECRETARIES	.39	.74	1.00	1.11	1.63	1.63	.16	.39	.91	1.21
OFFICE MACHINE OPERATORS	.49	.75	.34	.44	.54	.64	.08	.16	.87	1.05
OTHER CLERICAL,KINDRED WRKRS	17.15	27.27	5.85	6.23	8.64	8.61	2.14	2.90	10.22	14.42
ACCOUNTING CLERKS	.47	.48	.56	.55	.94	.82	.09	.16	.76	.87
BOOKKEEPERS,HAND	.64	.67	3.06	3.35	4.25	4.27	1.48	2.07	2.14	2.40
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	12.37	20.52	.23	.24	.32	.31	.11	.15	2.64	4.54
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.19	.24	.05	.06	.16	.11	.00	.00	.54	.52
TELEPHONE OPERATORS	.03	.03	.14	.14	.23	.23	.01	.01	.19	.31
CLERICAL AND KINDRED,NEC	3.46	5.32	1.75	1.88	2.73	2.87	.45	.51	3.95	5.77
SALES WORKERS	25.17	18.68	13.06	11.42	22.39	19.24	.67	.49	44.35	45.46
CRAFTSMEN,FOREMEN AND KINDRED	1.83	1.94	20.95	24.81	29.57	33.13	9.36	13.17	3.62	3.86
CONSTRUCTION CRAFTSMEN	.15	.14	.14	.15	.19	.20	.07	.08	.06	.08
CARPENTERS	.07	.07	.07	.09	.10	.11	.04	.05	.02	.02
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.01	.02	.01	.01	.02	.02	.00	.00	.00	.00
EXCAVATNG,GRADNG MACH OPER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
PAINTERS AND PAPERHANGERS	.05	.05	.05	.04	.07	.06	.02	.02	.03	.06
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.45	.57	.55	.79	.89	1.24	.10	.16	.30	.35
METALWKNG CRAFTS EXC MECH	.00	.00	.03	.01	.04	.02	.02	.00	.01	.00
MACHINISTS AND RELATED OCC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.01	.01	.02	.02	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.02	.00	.01	.00	.02	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.01	.02	.00	.08	.00	.00	.00	.20	.01	.01
COMPOSITORS,TYPESETTERS	.01	.02	.00	.00	.00	.00	.00	.00	.01	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.08	.00	.00	.00	.20	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.29	.50	19.95	23.35	26.17	31.05	9.03	12.53	.15	.20
AIRPLANE MECH AND REPAIRMN	.00	.00	.06	.07	.09	.10	.02	.02	.00	.00
MOTOR VEHICLE MECHANICS	.05	.05	19.37	22.49	27.31	29.64	8.83	12.49	.01	.01
OFFICE MACHINE MECHANICS	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00
RADIO AND TV MECHANICS	.00	.00	.03	.03	.05	.05	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.23	.46	.48	.75	.70	1.28	.18	.00	.14	.20

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.93	.71	.21	.42	.28	.59	.13	.18	3.29	3.22
BAKERS	.84	.49	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.05	.00	.00	.00	.11	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.03	.06	.01	.02	.02	.02	.01	.01	.05	.07
UPHOLSTERERS	.00	.00	.10	.11	.17	.19	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.06	.16	.10	.24	.08	.38	.12	.06	3.23	3.14
OPERATIVES AND KINDRED WORKERS	17.23	17.98	25.15	26.94	4.79	6.61	52.17	55.37	7.41	7.01
DRIVERS AND DELIVERYMEN	3.13	2.70	1.29	1.68	1.43	1.84	1.11	1.45	.23	.30
DRIVERS,BUS,TRUCK,TRACTOR	1.10	1.04	.89	1.05	.86	1.03	.94	1.07	.09	.12
DELIVERYMEN AND ROUTEMEN	2.03	1.66	.40	.63	.57	.82	.17	.38	.15	.18
TRANSP AND PUB UTIL OPERATVS	.00	.00	.01	.01	.00	.00	.02	.02	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.01	.01	.00	.00	.02	.02	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.05	.08	.09	.12	.01	.01	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.05	.08	.08	.12	.01	.01	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	14.10	15.28	23.79	25.17	3.28	4.65	51.03	53.89	7.18	6.71
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.05	.06	22.14	22.35	.93	1.01	50.31	52.22	.04	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.03	.03	.00	.00	.00	.00	.00	.00	.03	.02
MEAT CUTTERS,EXC MEATPCKNG	9.20	8.20	.00	.00	.00	.00	.00	.01	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	4.82	7.00	1.64	2.82	2.34	3.64	.71	1.66	7.11	6.67
SERVICE WORKERS	1.96	2.12	1.09	1.08	1.54	1.51	.49	.47	3.01	3.17
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	[illegible]	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.06	.07	.05	.03	.08	.05	.01	.01	.06	.07
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.06	.06	.05	.03	.08	.05	.01	.01	.06	.04
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.00	.00	.00	.00	.01	.03
FOOD SERVICE WORKERS	.91	.95	.03	.03	.01	.01	.06	.05	.06	.03
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.24	.25	.01	.00	.00	.00	.02	.01	.01	.01
COUNTER AND FOUNTAIN WKRS	.19	.29	.00	.01	.00	.00	.01	.01	.01	.00
WAITERS AND WAITRESSES	.49	.40	.02	.02	.01	.01	.04	.03	.04	.02
OTHER SERVICE WORKERS	1.00	1.11	1.00	1.02	1.44	1.46	.42	.41	2.89	3.07
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.13	.23	.09	.12	.13	.14	.03	.10	.23	.37
JANITORS AND SEXTONS	.23	.29	.26	.24	.44	.39	.02	.04	.50	.66
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.64	.59	.65	.65	.87	.93	.37	.27	2.16	2.03
LABORERS,EXCEPT FARM AND MINE	7.62	9.41	3.65	4.11	4.73	5.70	2.22	1.88	1.47	1.76
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	1.46	1.87	.70	1.04	9.01	6.91	25.92	20.44	1.14	1.01
ENGINEERS,TECHNICAL	.09	.06	.01	.00	.04	.03	.01	.00	.05	.05
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,ELECTRICAL	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MECHANICAL	.02	.01	.00	.00	.01	.00	.00	.00	.01	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.04	.04	.00	.00	.02	.03	.00	.00	.03	.05
NATURAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.02	.02	.01	.00
CHEMISTS	.00	.00	.00	.00	.01	.01	.02	.02	.01	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.18	.26	.01	.00	.10	.08	.10	.11	.09	.06
DRAFTSMEN	.02	.01	.00	.00	.03	.02	.04	.01	.02	.02
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.16	.25	.01	.00	.06	.06	.06	.09	.07	.04
MEDICAL,OTHER HEALTH WORKERS	.01	.01	.04	.04	8.19	5.80	24.99	18.94	.38	.06
DENTISTS	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01
DIETITIANS,NUTRITIONISTS	.00	.00	.04	.04	.00	.00	.01	.01	.00	.00
NURSES,PROFESSIONAL	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.23	.00	.00	.00	.34	.01
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.01	.01	.00	.00	7.90	5.72	24.86	18.79	.01	.01
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.03	.04	.10	.12	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.01	.02	.01	.01	.02	.02
TEACHERS	.19	.22	.04	.16	.03	.04	.01	.00	.04	.06
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.19	.22	.04	.16	.03	.04	.01	.00	.04	.06
SOCIAL SCIENTISTS	.02	.03	.00	.00	.00	.00	.00	.00	.00	.00
ECONOMISTS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.96	1.30	.60	.85	.64	.96	.80	1.37	.56	.78
ACCOUNTANTS AND AUDITORS	.31	.31	.05	.07	.15	.16	.11	.11	.18	.18
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.38	.37	.52	.68	.07	.08	.05	.06	.07	.07
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.20	.49	.00	.00	.07	.14	.00	.00	.10	.21
EDITORS AND REPORTERS	.00	.00	.00	.00	.01	.00	.00	.01	.01	.00
LAWYERS AND JUDGES	.01	.01	.00	.00	.01	.01	.00	.00	.01	.01
LIBRARIANS	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01
PERSONNEL AND LAB REL WRKS	.00	.00	.02	.06	.02	.04	.04	.04	.02	.04
PHOTOGRAPHERS	.00	.00	.00	.00	.06	.06	.12	.13	.04	.03
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.05	.10	.01	.05	.24	.46	.48	.99	.13	.23
MANAGERS,OFFICIALS,PROPRIETORS	25.34	19.66	20.96	17.12	24.74	19.34	10.17	8.72	31.52	23.98
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.43	.41	.00	.00	.20	.21	.02	.02	.28	.30
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.01	.01	.04	.03	.08	.11	.01	.01	.11	.16
MANAGERS,OFFICE,PROP. NEC	24.90	19.23	20.92	17.09	24.47	19.02	10.15	8.69	31.13	23.52

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	14.58	17.32	2.91	4.64	11.10	15.11	9.34	15.18	11.92	15.08
STENOS, TYPISTS,SECRETARIES	2.49	3.28	.15	.33	1.65	2.38	.51	.84	2.18	3.06
OFFICE MACHINE OPERATORS	.47	.51	.07	.12	.46	.54	.20	.33	.57	.63
OTHER CLERICAL,KINDRED WRKRS	11.62	13.52	2.70	4.20	8.99	12.19	8.62	14.01	9.16	11.40
ACCOUNTING CLERKS	.71	.89	.18	.27	.50	.65	.22	.33	.63	.79
BOOKKEEPERS,HAND	5.21	5.68	.24	.38	2.97	3.70	2.16	2.75	3.35	4.12
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.29	.42	1.81	3.12	1.33	2.36	3.20	6.07	.46	.74
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.52	.48	.02	.02	.32	.35	.13	.13	.41	.45
TELEPHONE OPERATORS	.18	.28	.03	.03	.07	.04	.04	.04	.08	.05
CLERICAL AND KINDRED,NEC	4.72	5.77	.41	.38	3.80	5.08	2.86	4.70	4.23	5.24
SALES WORKERS	26.30	25.36	1.07	1.31	32.11	34.76	34.33	34.85	31.06	34.71
CRAFTSMEN,FOREMEN AND KINDRED	17.64	20.45	.67	1.11	5.77	7.46	.58	.69	8.18	10.41
CONSTRUCTION CRAFTSMEN	1.67	1.52	.09	.12	.22	.17	.09	.08	.28	.21
CARPENTERS	.62	.73	.04	.06	.07	.06	.06	.06	.08	.06
BRICKMASONS AND TILE SETRS	.24	.44	.00	.01	.03	.02	.00	.00	.04	.03
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.55	.43	.00	.00	.01	.01	.00	.00	.01	.01
EXCAVATNG,GRADNG MACH OPER	.01	.00	.01	.00	.02	.02	.00	.00	.03	.02
PAINTERS AND PAPERHANGERS	.19	.22	.03	.05	.05	.04	.02	.01	.06	.05
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.06	.03	.00	.00	.04	.03	.01	.01	.05	.04
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.49	.49	.05	.08	.34	.36	.19	.20	.41	.42
METALWKNG CRAFTS EXC MECH	.04	.02	.00	.00	.03	.02	.00	.00	.04	.03
MACHINISTS AND RELATED OCC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.03	.02	.00	.00	.01	.01	.00	.00	.02	.02
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.00	.00	.07	.07	.01	.02	.10	.09
COMPOSITORS,TYPESETTERS	.00	.00	.00	.00	.04	.05	.01	.02	.06	.07
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.03	.01	.00	.00	.04	.02
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	8.76	8.86	.18	.38	1.93	3.06	.17	.21	2.74	4.31
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.02	.02	.01	.01	.12	.11	.06	.04	.15	.14
OFFICE MACHINE MECHANICS	.01	.01	.00	.00	.68	.82	.00	.00	.99	1.18
RADIO AND TV MECHANICS	5.11	4.35	.00	.00	.02	.01	.01	.00	.03	.02
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	3.62	4.49	.18	.38	1.10	2.12	.11	.17	1.57	2.97

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	6.66	9.15	.34	.53	3.18	3.78	.12	.18	4.61	5.35
BAKERS	.01	.00	.32	.50	.01	.01	.03	.03	.00	.00
CABINETMAKERS	2.44	2.51	.00	.00	.07	.07	.00	.00	.10	.10
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.02	.01	.00	.00	.03	.01
GLAZIERS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	1.18	.90	.00	.00	1.72	1.30
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.54	.57	.00	.00	.79	.82
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.01	.00	.00	.00	.02	.02	.00	.00	.03	.03
UPHOLSTERERS	1.25	2.19	.00	.00	.00	.02	.00	.00	.01	.03
CRAFTSMEN AND KINDRED NEC	2.93	4.45	.02	.03	1.35	2.18	.09	.15	1.93	3.07
OPERATIVES AND KINDRED WORKERS	9.63	11.31	.77	1.31	8.70	9.06	4.48	5.41	10.66	10.65
DRIVERS AND DELIVERYMEN	5.85	6.26	.33	.65	6.85	6.99	3.75	4.64	8.29	8.01
DRIVERS,BUS,TRUCK,TRACTOR	3.09	3.03	.14	.22	4.00	3.21	.21	.22	5.76	4.52
DELIVERYMEN AND ROUTEMEN	2.76	3.23	.19	.43	2.85	3.78	3.54	4.43	2.53	3.49
TRANSP AND PUB UTIL OPERATVS	.01	.00	.00	.00	.01	.01	.00	.00	.01	.01
BRAKEMEN AND SWITCHMEN RR	.01	.00	.00	.00	.01	.01	.00	.00	.01	.01
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.03	.00	.00	.00	.03	.03	.00	.00	.04	.04
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.03	.00	.00	.00	.03	.03	.00	.00	.04	.04
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.06	.11	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.06	.11	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	3.68	4.94	.43	.67	1.81	2.03	.73	.77	2.31	2.58
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01
ATTEND,AUTO SERVICE,PARKNG	.02	.04	.07	.12	.10	.09	.20	.17	.05	.06
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.02	.02	.02	.03	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.08	.13	.01	.04	.00	.02	.02	.05
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	3.64	4.88	.26	.39	1.69	1.89	.52	.56	2.24	2.46
SERVICE WORKERS	1.86	1.89	72.62	73.20	5.52	4.67	13.44	12.30	1.83	1.34
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.04	.03	.06	.07	.08	.06	.03	.02	.10	.08
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.04	.03	.06	.07	.07	.06	.03	.02	.10	.08
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOD SERVICE WORKERS	.01	.00	57.33	56.99	3.79	3.14	10.53	9.13	.65	.53
BARTENDERS	.00	.00	7.16	6.78	.31	.23	.00	.00	.46	.32
COOKS,EXC PRIV HOUSEHOLDS	.01	.00	15.11	15.57	.30	.35	.88	1.11	.02	.02
COUNTER AND FOUNTAIN WKRS	.00	.00	2.94	4.45	1.77	1.35	5.49	4.23	.05	.09
WAITERS AND WAITRESSES	.00	.00	32.12	30.19	1.41	1.22	4.16	3.79	.13	.10
OTHER SERVICE WORKERS	1.81	1.85	15.23	16.14	1.65	1.47	2.89	3.15	1.08	.73
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.33	.51	.41	.81	.18	.29	.21	.26	.17	.30
JANITORS AND SEXTONS	.29	.32	.59	.71	.38	.39	.60	.81	.28	.21
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	1.19	1.03	14.23	14.63	1.09	.78	2.07	2.08	.63	.22
LABORERS,EXCEPT FARM AND MINE	2.69	2.14	.30	.26	3.06	2.69	1.75	2.40	3.67	2.82
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	2.70	3.36	3.33	3.94	2.77	3.00	6.96	10.73	3.20	4.01
ENGINEERS,TECHNICAL	.05	.09	.01	.00	.01	.00	.02	.02	.18	.22
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.02	.02	.00	.00	.00	.00	.01	.02	.04	.04
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.05	.07	.00	.00	.00	.00	.00	.00	.13	.18
ENGINEERS,MECHANICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL SCIENTISTS	.03	.03	.02	.02	.02	.03	.00	.00	.04	.05
CHEMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.02	.03	.01	.02	.02	.03	.00	.00	.04	.05
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.07	.08	.02	.02	.02	.02	.03	.03	.12	.16
CRAFTSMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SURVEYORS	.02	.02	.00	.00	.00	.00	.01	.01	.02	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
TECHNICIANS,OTHER	.04	.06	.02	.02	.02	.02	.01	.01	.09	.15
MEDICAL,OTHER HEALTH WORKERS	.05	.05	.03	.03	.03	.03	.01	.01	.05	.09
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
NURSES,PROFESSIONAL	.02	.02	.02	.02	.02	.02	.01	.01	.03	.03
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.02	.02	.00	.00	.00	.00	.00	.00	.04	.05
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.02	.03	.02	.04	.02	.04	.01	.04	.02	.03
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.02	.03	.02	.04	.02	.04	.01	.04	.02	.03
SOCIAL SCIENTISTS	.19	.26	.18	.25	.15	.22	.41	.43	.31	.43
ECONOMISTS	.05	.10	.11	.17	.09	.15	.20	.27	.03	.06
STATISTICIANS + ACTUARIES	.14	.16	.07	.08	.05	.07	.21	.16	.29	.37
OTHER SOCIAL SCIENTISTS	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	2.27	2.83	3.04	3.57	2.52	2.66	6.47	10.19	2.43	3.03
ACCOUNTANTS AND AUDITORS	1.27	1.44	1.74	1.56	1.70	1.50	1.99	2.00	1.35	1.99
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
ARCHITECTS	.01	.01	.00	.00	.00	.00	.00	.00	.02	.02
WRKRS IN ARTS,ENTERTAINMNT	.02	.02	.02	.01	.01	.01	.04	.04	.03	.03
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.01	.01	.01	.01	.01	.00	.00	.00	.00
EDITORS AND REPORTERS	.02	.03	.02	.03	.01	.01	.10	.17	.03	.03
LAWYERS AND JUDGES	.25	.22	.19	.13	.19	.13	.18	.10	.47	.41
LIBRARIANS	.01	.01	.01	.02	.01	.01	.03	.07	.01	.01
PERSONNEL AND LAB REL WRKS	.16	.21	.17	.22	.18	.23	.11	.14	.23	.32
PHOTOGRAPHERS	.01	.00	.01	.00	.01	.00	.00	.00	.01	.01
SOCIAL AND WELFARE WORKERS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
PROF,TECH,KINDRED,NEC	.47	.68	.89	1.58	.41	.75	4.01	7.66	.23	.19
MANAGERS,OFFICIALS,PROPRIETORS	20.28	25.26	26.26	32.50	25.18	33.19	33.27	27.50	13.32	14.50
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.28	.51	.68	1.07	.78	1.20	.08	.13	.03	.06
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.11	.12	.11	.11	.09	.10	.26	.21	.05	.11
MANAGERS,OFFICE,PROP. NEC	19.89	24.64	25.46	31.32	24.31	31.50	32.93	27.16	13.19	14.33

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	45.18	43.99	61.43	54.36	64.58	56.79	40.94	36.69	47.25	45.71
STENOS, TYPISTS,SECRETARIES	12.97	13.11	11.35	11.20	11.04	11.16	13.43	11.48	18.21	18.53
OFFICE MACHINE OPERATORS	2.75	3.87	4.80	5.43	5.18	5.60	2.34	4.22	2.31	4.06
OTHER CLERICAL,KINDRED WRKRS	29.46	27.01	45.27	37.72	48.36	40.03	25.17	20.99	26.73	23.13
ACCOUNTING CLERKS	1.47	1.02	1.37	.87	1.41	.86	1.16	.96	2.29	1.66
BOOKKEEPERS,HAND	4.85	4.38	10.98	8.27	12.26	9.09	2.55	2.31	.53	.44
BANK TELLERS	4.45	6.61	11.66	14.49	13.45	16.49	.00	.00	.00	.00
CASHIERS	1.06	1.31	1.96	2.51	1.95	2.63	2.02	1.61	.73	.39
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.04	.05	.05	.06	.04	.04	.16	.18	.05	.07
TELEPHONE OPERATORS	.47	.49	.69	.78	.62	.71	1.19	1.29	.35	.31
CLERICAL AND KINDRED,NEC	17.12	13.15	18.57	10.75	18.64	10.21	18.10	14.64	22.77	20.25
SALES WORKERS	20.90	19.34	2.61	3.32	.59	.71	15.77	22.21	33.50	33.23
CRAFTSMEN,FOREMEN AND KINDRED	1.65	1.65	.81	.93	.82	.94	.79	.87	.83	.79
CONSTRUCTION CRAFTSMEN	.56	.62	.11	.06	.12	.06	.08	.04	.10	.09
CARPENTERS	.19	.23	.03	.03	.04	.03	.01	.01	.03	.03
BRICKMASONS AND TILE SETRS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.04	.02	.03	.01	.03	.01	.01	.01	.02	.02
EXCAVATNG,GRADNG MACH OPER	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.26	.32	.04	.02	.04	.02	.05	.02	.04	.03
PLASTERERS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.14	.16	.10	.12	.10	.12	.10	.09	.06	.06
METALWKNG CRAFTS EXC MECH	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINISTS AND RELATED OCC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.08	.07	.09	.11	.10	.11	.07	.09	.12	.06
COMPOSITORS,TYPESETTERS	.07	.06	.08	.09	.08	.09	.07	.09	.10	.05
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.01	.01	.01	.02	.01	.02	.00	.00	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.01	.00	.00	.02	.06	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.01	.00	.00	.02	.06	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.57	.54	.39	.53	.41	.56	.22	.32	.23	.24
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
OFFICE MACHINE MECHANICS	.01	.01	.02	.02	.02	.02	.01	.03	.01	.01
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.55	.52	.36	.51	.39	.54	.20	.30	.22	.22

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.29	.25	.12	.11	.09	.09	.30	.27	.31	.34
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.11	.10	.03	.02	.01	.01	.10	.07	.25	.28
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.17	.14	.08	.09	.07	.08	.21	.20	.05	.06
OPERATIVES AND KINDRED WORKERS	.40	.37	.42	.37	.40	.37	.53	.40	.21	.13
DRIVERS AND DELIVERYMEN	.09	.10	.08	.10	.07	.09	.14	.13	.03	.03
DRIVERS,BUS,TRUCK,TRACTOR	.06	.05	.04	.03	.03	.02	.11	.11	.01	.01
DELIVERYMEN AND ROUTEMEN	.03	.05	.04	.07	.04	.07	.03	.02	.02	.02
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	.31	.27	.34	.28	.33	.28	.40	.27	.17	.10
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.05	.05	.08	.09	.09	.10	.03	.00	.01	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	.26	.22	.26	.18	.24	.17	.37	.27	.16	.10
SERVICE WORKERS	7.29	4.68	4.97	4.47	5.51	4.89	1.47	1.45	1.59	1.53
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.68	.52	1.22	.90	1.36	.98	.31	.29	.10	.03
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.65	.49	1.18	.88	1.32	.96	.28	.29	.09	.02
POLICE,OTH LAW ENFORCE OFF	.04	.03	.04	.02	.04	.02	.03	.01	.01	.01
FOOD SERVICE WORKERS	.16	.10	.17	.12	.19	.13	.06	.05	.19	.14
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.05	.04	.07	.05	.07	.05	.03	.02	.05	.04
COUNTER AND FOUNTAIN WKRS	.04	.03	.03	.02	.03	.03	.00	.01	.08	.05
WAITERS AND WAITRESSES	.06	.04	.08	.04	.09	.05	.03	.02	.06	.05
OTHER SERVICE WORKERS	6.45	4.05	3.58	3.45	3.96	3.78	1.11	1.12	1.30	1.37
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.93	.64	.63	.83	.71	.92	.11	.17	.29	.32
JANITORS AND SEXTONS	2.62	1.65	1.61	1.68	1.78	1.82	.48	.63	.36	.40
NURSES,PRACTICAL	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00
SERVICE WORKERS,NEC	2.89	1.76	1.34	.95	1.46	1.04	.52	.32	.64	.65
LABORERS,EXCEPT FARM AND MINE	1.59	1.34	.16	.11	.15	.11	.26	.15	.11	.09
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.92	1.12	32.04	33.08	1.59	2.32	4.17	3.17	.13	.16
ENGINEERS,TECHNICAL	.05	.07	.62	1.03	.01	.01	.01	.00	.01	.00
ENGINEERS,AERONAUTICAL	.00	.00	.01	.03	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.02	.02	.15	.17	.00	.00	.00	.00	.00	.00
ENGINEERS,ELECTRICAL	.00	.00	.13	.23	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.01	.02	.04	.09	.00	.00	.00	.00	.00	.00
ENGINEERS,MECHANICAL	.01	.01	.10	.15	.01	.01	.00	.00	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.01	.01	.16	.31	.00	.00	.00	.00	.01	.00
NATURAL SCIENTISTS	.01	.00	.42	.69	.00	.00	.01	.01	.00	.00
CHEMISTS	.00	.00	.12	.18	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.02	.06	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.10	.15	.00	.00	.00	.01	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.03	.08	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.06	.13	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.01	.00	.07	.07	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.06	.08	.92	1.38	.01	.02	.03	.05	.01	.00
DRAFTSMEN	.00	.00	.34	.44	.00	.00	.00	.00	.00	.00
SURVEYORS	.04	.07	.11	.11	.00	.00	.01	.01	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.01	.01	.46	.83	.01	.02	.02	.04	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.01	.01	7.85	8.25	.09	.10	.31	.28	.00	.00
DENTISTS	.00	.00	.56	.50	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.17	.14	.03	.03	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	3.25	3.37	.01	.01	.00	.00	.00	.00
OPTOMETRISTS	.00	.00	.09	.08	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.09	.07	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.04	.05	.00	.00	.01	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	1.46	1.47	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.10	.14	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.91	1.54	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	1.15	.89	.05	.05	.30	.28	.00	.00
TEACHERS	.01	.01	13.00	12.11	.01	.03	.01	.01	.00	.00
TEACHERS,ELEMENTARY	.00	.00	6.61	4.96	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	4.07	4.41	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	1.39	1.83	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.01	.93	.91	.01	.03	.01	.01	.00	.00
SOCIAL SCIENTISTS	.02	.01	.06	.08	.00	.00	.00	.01	.00	.00
ECONOMISTS	.01	.01	.03	.04	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.01	.00	.02	.03	.00	.00	.00	.01	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.76	.94	9.17	9.53	1.46	2.16	3.80	2.82	.11	.16
ACCOUNTANTS AND AUDITORS	.34	.32	.84	.53	.57	.61	.05	.04	.06	.05
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ARCHITECTS	.01	.01	.17	.16	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	2.63	2.67	.40	.60	.21	.16	.02	.04
CLERGYMEN	.00	.00	1.35	.96	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.11	.15	.00	.00	.02	.03	.00	.00
EDITORS AND REPORTERS	.01	.01	.11	.10	.00	.00	.00	.00	.00	.00
LAWYERS AND JUDGES	.19	.11	1.13	1.00	.01	.01	.01	.02	.00	.00
LIBRARIANS	.00	.00	.51	.49	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.02	.02	.10	.14	.02	.01	.01	.04	.01	.06
PHOTOGRAPHERS	.00	.00	.20	.11	.00	.00	1.60	.66	.00	.00
SOCIAL AND WELFARE WORKERS	.02	.02	.29	.30	.01	.01	.00	.01	.00	.00
PROF,TECH,KINDRED,NEC	.16	.43	1.70	2.52	.44	.91	1.89	1.87	.01	.01
MANAGERS,OFFICIALS,PROPRIETORS	21.78	26.54	6.29	5.74	20.45	19.89	10.10	6.76	18.18	15.25
CONDUCTORS,RAILROAD	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.02	.03	.03	.03	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.12	.16	.07	.08	.11	.13	.01	.01	.01	.01
MANAGERS,OFFICE,PROP. NEC	21.63	26.37	6.19	5.62	20.31	19.73	10.09	6.75	18.17	15.25

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	15.86	19.04	11.75	14.64	9.52	10.84	7.68	7.79	13.29	16.41
STENOS, TYPISTS,SECRETARIES	7.21	8.76	4.90	6.03	.84	.59	.43	.31	.47	.47
OFFICE MACHINE OPERATORS	.17	.24	.17	.30	.34	.47	.26	.26	.54	.60
OTHER CLERICAL,KINDRED WRKRS	8.48	10.04	6.08	8.31	8.34	9.39	6.99	7.21	12.29	15.34
ACCOUNTING CLERKS	.30	.33	.26	.26	.62	.72	.40	.33	.52	.44
BOOKKEEPERS,HAND	1.92	2.19	.71	.72	.03	.05	.47	.35	.89	.78
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.15	.15	.37	.35	.97	1.08	.34	.37	.61	.79
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.00	.00	.05	.05	.04	.02	.15	.12	.30	.23
TELEPHONE OPERATORS	.29	.17	.33	.37	1.11	1.44	.07	.05	.09	.07
CLERICAL AND KINDRED,NEC	5.82	7.20	4.95	6.56	5.58	6.08	5.55	5.99	9.87	13.03
SALES WORKERS	30.13	32.05	.61	.62	.24	.18	1.21	.89	1.80	1.35
CRAFTSMEN,FOREMEN AND KINDRED	4.30	4.55	5.33	4.67	3.49	3.94	3.51	3.24	3.78	5.12
CONSTRUCTION CRAFTSMEN	2.02	2.68	.73	.64	1.10	1.26	.06	.06	.05	.06
CARPENTERS	.71	.99	.19	.21	.40	.56	.02	.02	.01	.01
BRICKMASONS AND TILE SETRS	.03	.02	.01	.01	.00	.00	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.10	.05	.14	.12	.12	.12	.00	.00	.01	.01
EXCAVATNG,GRADNG MACH OPER	.05	.05	.01	.02	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.97	1.39	.30	.21	.51	.48	.02	.02	.02	.02
PLASTERERS	.06	.10	.01	.01	.03	.04	.00	.01	.00	.00
PLUMBERS AND PIPEFITTERS	.09	.06	.06	.06	.04	.06	.00	.00	.00	.00
ROOFERS AND SLATERS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01
FOREMEN NEC	.32	.40	.25	.30	.12	.17	.65	.62	1.39	1.57
METALWKNG CRAFTS EXC MECH	.02	.01	.11	.08	.00	.00	.01	.01	.01	.02
MACHINISTS AND RELATED OCC	.00	.00	.02	.02	.00	.00	.01	.01	.01	.02
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.04	.01	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.02	.03	.00	.00	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.02	.01	.04	.04	.02	.01	.02	.01	.01	.01
COMPOSITORS,TYPESETTERS	.01	.01	.03	.02	.01	.00	.02	.01	.01	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	1.40	1.04	3.15	2.95	1.47	1.74	.47	.94	.86	2.09
AIRPLANE MECH AND REPAIRMN	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.02	.04	1.58	1.18	.02	.01	.08	.11	.16	.27
OFFICE MACHINE MECHANICS	.00	.00	.07	.07	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.35	.28	.00	.00	.00	.01	.06	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.38	1.00	1.14	1.40	1.45	1.73	.38	.82	.65	1.82

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.52	.41	1.05	.86	.78	.76	2.31	1.59	1.46	1.37
BAKERS	.00	.00	.06	.07	.18	.24	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.04	.02	.01	.01	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.01	.02	.00	.01	.00	.00	.00	.00	.00	.00
GLAZIERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.07	.04	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.00	.00	.07	.09	.00	.00	.00	.00	.00	.00
UPHOLSTERERS	.00	.00	.13	.11	.05	.03	.01	.05	.01	.01
CRAFTSMEN AND KINDRED NEC	.49	.36	.67	.50	.55	.47	2.30	1.55	1.45	1.36
OPERATIVES AND KINDRED WORKERS	.68	.75	5.49	4.62	2.05	2.61	31.60	25.04	60.01	58.80
DRIVERS AND DELIVERYMEN	.20	.21	.99	.96	.12	.12	4.45	4.64	8.98	11.37
DRIVERS,BUS,TRUCK,TRACTOR	.16	.17	.52	.56	.07	.08	1.23	.67	2.55	1.69
DELIVERYMEN AND ROUTEMEN	.03	.04	.47	.40	.04	.03	3.23	3.96	6.43	9.69
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.18	.18	.01	.01	.01	.00	.01	.01
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.18	.18	.01	.01	.01	.00	.01	.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	.48	.54	4.32	3.47	1.92	2.48	27.13	20.40	51.02	47.42
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.05	.04	.15	.15	.14	.16	.00	.00	.01	.01
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.00	2.60	1.78	.84	1.38	23.97	18.66	50.60	47.15
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.02	.03	.11	.15	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	.41	.50	1.55	1.52	.84	.80	3.16	1.74	.41	.25
SERVICE WORKERS	20.08	10.03	35.76	33.93	61.43	58.96	41.00	52.71	1.70	2.17
PRIVATE HOUSEHOLD WORKERS	.00	.00	14.58	10.65	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.75	.48	.52	.51	.43	.37	.11	.07	.16	.09
FIREMEN	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.67	.38	.42	.46	.34	.33	.09	.06	.16	.09
POLICE,OTH LAW ENFORCE OFF	.08	.10	.09	.05	.09	.05	.02	.01	.00	.00
FOOD SERVICE WORKERS	.08	.02	2.84	3.01	13.95	13.98	.04	.03	.08	.06
BARTENDERS	.00	.00	.16	.11	1.33	.51	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.02	.01	1.40	1.38	4.28	3.97	.01	.01	.02	.02
COUNTER AND FOUNTAIN WKRS	.02	.00	.37	.52	.15	.24	.01	.01	.01	.01
WAITERS AND WAITRESSES	.04	.01	.91	1.00	8.19	8.66	.03	.01	.05	.04
OTHER SERVICE WORKERS	19.25	9.53	17.43	19.55	47.04	44.61	40.85	52.62	1.46	2.02
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	2.99	4.33	.02	.01	.01	.01	.01	.03
CHARWOMEN AND CLEANERS	2.42	.76	.72	.94	2.16	4.10	.33	.49	.02	.02
JANITORS AND SEXTONS	7.85	3.53	2.28	2.68	1.26	1.02	.48	.69	.60	.98
NURSES,PRACTICAL	.01	.00	1.50	1.66	.06	.04	.03	.04	.00	.00
SERVICE WORKERS,NEC	8.98	5.24	9.94	9.75	43.54	39.44	40.01	51.38	.82	.99
LABORERS,EXCEPT FARM AND MINE	6.24	5.93	2.73	2.49	1.24	1.27	.73	.41	1.12	.73
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	7.78	5.13	14.47	17.86	14.54	18.27	14.46	17.83	.44	.78
ENGINEERS,TECHNICAL	.00	.00	3.26	4.68	.04	.10	3.77	5.01	.01	.01
ENGINEERS,AERONAUTICAL	.00	.00	.10	.23	.00	.00	.11	.25	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.16	.16	.00	.00	.15	.17	.00	.00
ENGINEERS,CIVIL	.00	.00	.10	.10	.00	.00	.12	.11	.00	.00
ENGINEERS,ELECTRICAL	.00	.00	1.10	1.49	.01	.01	1.27	1.60	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.45	.74	.01	.01	.52	.80	.00	.00
ENGINEERS,MECHANICAL	.00	.00	.47	.62	.01	.01	.54	.66	.01	.01
ENGINEERS,METALLURG,ETC	.00	.00	.07	.07	.00	.00	.08	.08	.00	.00
ENGINEERS,MINING	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
OTHER ENGINEERS,TECHNICAL	.00	.00	.81	1.26	.02	.07	.93	1.34	.00	.00
NATURAL SCIENTISTS	.02	.01	1.15	1.71	.02	.02	1.33	1.83	.00	.00
CHEMISTS	.00	.00	.47	.70	.02	.02	.54	.75	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.13	.14	.00	.00	.15	.15	.00	.00
BIOLOGICAL SCIENTISTS	.01	.01	.04	.07	.00	.00	.04	.08	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.04	.09	.00	.00	.05	.10	.00	.00
MATHEMATICIANS	.01	.00	.18	.36	.00	.00	.20	.39	.00	.00
PHYSICISTS	.00	.00	.24	.31	.00	.00	.27	.33	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.06	.02	.00	.00	.07	.02	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.06	.08	3.11	4.33	.07	.11	3.59	4.63	.02	.03
DRAFTSMEN	.01	.00	1.07	1.18	.01	.01	1.23	1.26	.00	.00
SURVEYORS	.01	.01	.08	.11	.04	.06	.08	.11	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.02	.05	.00	.00	.02	.05	.00	.00
TECHNICIANS,OTHER	.04	.07	1.95	3.00	.02	.02	2.25	3.21	.01	.03
MEDICAL,OTHER HEALTH WORKERS	.59	.46	.12	.14	.04	.04	.13	.15	.00	.00
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.01	.04	.00	.00	.01	.04	.00	.00
NURSES,PROFESSIONAL	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.01	.00	.01	.01	.00	.00	.01	.01	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.01	.01	.02	.01	.01	.01	.00	.00
PSYCHOLOGISTS	.00	.00	.05	.04	.02	.03	.05	.04	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.02	.02	.00	.00	.02	.02	.00	.00
VETERINARIANS	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.57	.46	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.01	.03	.05	.01	.00	.04	.06	.24	.52
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.01	.03	.05	.01	.00	.04	.06	.24	.52
SOCIAL SCIENTISTS	.01	.01	.38	.40	.33	.44	.39	.40	.00	.00
ECONOMISTS	.00	.00	.30	.32	.25	.30	.31	.32	.00	.00
STATISTICIANS + ACTUARIES	.00	.01	.08	.08	.08	.14	.08	.08	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	7.09	4.56	6.41	6.55	14.03	17.56	5.20	5.77	.18	.22
ACCOUNTANTS AND AUDITORS	.03	.03	1.04	.61	1.40	1.42	.98	.55	.17	.18
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.01	.03	.01	.00	.01	.03	.00	.00
ARCHITECTS	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.38	.23	1.31	.71	6.15	6.57	.54	.30	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.03	.05	.72	.73	.42	1.00	.76	.71	.00	.00
EDITORS AND REPORTERS	.00	.00	.90	.59	4.57	5.04	.31	.28	.00	.00
LAWYERS AND JUDGES	.03	.03	.06	.05	.05	.07	.06	.05	.00	.00
LIBRARIANS	.00	.00	.04	.07	.07	.22	.03	.06	.00	.00
PERSONNEL AND LAB REL WRKS	.01	.02	.63	.69	.14	.26	.71	.72	.00	.00
PHOTOGRAPHERS	3.03	1.08	.19	.23	.17	.36	.20	.22	.00	.00
SOCIAL AND WELFARE WORKERS	.01	.02	.03	.01	.00	.00	.03	.01	.00	.00
PROF,TECH,KINDRED,NEC	3.57	3.09	1.48	2.82	1.06	2.63	1.55	2.83	.01	.03
MANAGERS,OFFICIALS,PROPRIETORS	2.88	1.21	21.44	15.70	30.75	31.58	19.96	14.57	16.34	15.98
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.17	.18	.14	.26	.17	.17	.01	.01
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.01	.01	.02	.02	.01	.01	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.01	.01	.34	.31	.33	.19	.34	.32	.04	.05
MANAGERS,OFFICE,PROP. NEC	2.87	1.20	20.92	15.21	30.27	31.11	19.44	14.08	16.25	15.91

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	2.66	2.15	26.33	28.58	32.46	33.49	27.67	28.23	4.36	6.69
STENOS, TYPISTS, SECRETARIES	.40	.21	10.52	10.72	11.80	12.09	10.31	10.62	.42	.46
OFFICE MACHINE OPERATORS	.01	.03	.52	1.13	.53	1.35	.52	1.11	.23	.29
OTHER CLERICAL, KINDRED WRKRS	2.25	1.91	17.28	16.73	20.15	20.04	16.83	16.49	3.71	5.94
ACCOUNTING CLERKS	.30	.26	.61	.50	.96	.56	.56	.47	.38	.46
BOOKKEEPERS, HAND	.09	.07	1.27	1.10	1.52	1.58	1.23	1.04	1.72	2.49
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.11	.10	.13	.06	.05	.05	.14	.06	.30	.47
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.03	.04	.23	.25	.25	.20	.23	.26	.03	.08
TELEPHONE OPERATORS	.04	.04	1.16	1.05	.49	.48	1.27	1.09	.02	.02
CLERICAL AND KINDRED, NEC	1.69	1.39	13.88	13.76	16.86	16.37	13.40	13.57	1.26	2.43
SALES WORKERS	.69	.59	4.45	4.07	10.04	8.05	3.50	3.79	1.15	1.66
CRAFTSMEN, FOREMEN AND KINDRED	3.28	2.00	8.72	8.68	5.59	3.41	9.22	9.05	58.38	51.50
CONSTRUCTION CRAFTSMEN	.06	.06	2.75	1.64	2.55	1.58	2.78	1.64	.28	.30
CARPENTERS	.03	.03	.22	.37	.38	.33	.19	.37	.04	.01
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.00	.00	.26	.30	.17	.16	.27	.31	.05	.03
EXCAVATNG, GRADNG MACH OPER	.00	.00	.06	.11	.01	.01	.07	.12	.01	.01
PAINTERS AND PAPERHANGERS	.02	.02	2.11	.81	1.98	1.08	2.13	.79	.18	.24
PLASTERERS	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.09	.04	.01	.01	.10	.05	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.00	.00	.92	1.24	.51	.32	.99	1.30	.85	.92
METALWKNG CRAFTS EXC MECH	.00	.00	.27	.43	.22	.17	.27	.44	.07	.05
MACHINISTS AND RELATED OCC	.00	.00	.03	.05	.00	.00	.03	.05	.02	.02
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.02	.06	.00	.00	.03	.06	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.06	.11	.02	.02	.07	.12	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.12	.21	.19	.15	.11	.21	.04	.02
TOOLMAKERS AND DIEMAKERS	.00	.00	.03	.00	.00	.00	.03	.00	.01	.00
PRINTING TRADES CRAFTSMEN	.03	.01	.26	.15	.50	.13	.22	.15	.00	.00
COMPOSITORS, TYPESETTERS	.02	.01	.19	.04	.37	.06	.16	.04	.00	.00
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRAVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.01	.00	.02	.02	.05	.01	.02	.02	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.04	.10	.08	.06	.04	.10	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.03	.13	.00	.00	.04	.13	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.03	.13	.00	.00	.04	.13	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.12	.19	2.73	3.27	1.43	1.13	2.93	3.43	56.29	49.06
AIRPLANE MECH AND REPAIRMN	.00	.00	.03	.07	.00	.00	.03	.07	.04	.04
MOTOR VEHICLE MECHANICS	.01	.01	.07	.14	.02	.02	.08	.15	55.47	47.85
OFFICE MACHINE MECHANICS	.00	.00	.36	.55	.02	.02	.42	.58	.03	.03
RADIO AND TV MECHANICS	.01	.01	.07	.10	.00	.00	.08	.11	.04	.04
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.10	.17	2.20	2.42	1.40	1.10	2.32	2.51	.71	1.10

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	3.07	1.74	1.77	1.63	.38	.08	1.99	1.95	.86	1.16
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.02	.04	.00	.00	.03	.05	.00	.00
CRANE,DERRICK,HOIST MEN	.00	.00	.05	.11	.00	.00	.06	.12	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.06	.09
JEWELERS AND WATCHMAKERS	.00	.00	.02	.05	.00	.00	.02	.05	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.02	.07	.00	.00	.03	.07	.00	.00
INSPECTORS,OTHER	.00	.00	.34	.41	.02	.00	.39	.44	.00	.00
UPHOLSTERERS	.01	.07	.03	.07	.00	.00	.03	.07	.71	.75
CRAFTSMEN AND KINDRED NEC	3.06	1.66	1.28	1.08	.36	.08	1.42	1.15	.10	.34
OPERATIVES AND KINDRED WORKERS	6.20	2.98	8.17	9.08	4.63	3.55	8.74	9.47	12.05	16.56
DRIVERS AND DELIVERYMEN	.41	.23	1.40	1.16	.70	.90	1.51	1.18	1.25	2.16
DRIVERS,BUS,TRUCK,TRACTOR	.04	.01	.80	.91	.16	.11	.90	.97	.91	1.57
DELIVERYMEN AND ROUTEMEN	.37	.22	.60	.25	.55	.79	.60	.21	.34	.58
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.10	.19	.03	.03	.11	.20	.46	.72
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.10	.19	.03	.03	.11	.20	.46	.72
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	5.79	2.75	6.66	7.73	3.90	2.62	7.12	8.09	10.34	13.68
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.01	.03	.02	.01	.01	.03	4.63	5.27
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.16	.04	.01	.00	.00	.00	.01	.00	.06	.13
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	5.62	2.71	6.66	7.70	3.88	2.61	7.10	8.06	5.65	6.29
SERVICE WORKERS	76.13	85.74	12.78	14.48	.79	.72	14.66	15.46	.60	.63
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.06	.05	4.63	4.11	.10	.08	5.35	4.39	.06	.02
FIREMEN	.00	.00	.02	.00	.00	.00	.02	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.02	.04	3.64	3.97	.10	.08	4.20	4.24	.06	.02
POLICE,OTH LAW ENFORCE OFF	.03	.02	.97	.14	.00	.00	1.12	.15	.00	.00
FOOD SERVICE WORKERS	.02	.01	.07	.05	.04	.03	.08	.06	.00	.00
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.04	.03	.01	.01	.04	.03	.00	.00
COUNTER AND FOUNTAIN WKRS	.00	.01	.02	.00	.01	.01	.03	.00	.00	.00
WAITERS AND WAITRESSES	.01	.00	.01	.03	.01	.01	.01	.03	.00	.00
OTHER SERVICE WORKERS	76.06	85.67	8.07	10.32	.65	.62	9.25	11.01	.53	.61
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.01	.00	.01	.00	.00	.00	.01	.00	.00	.00
CHARWOMEN AND CLEANERS	.61	.80	3.89	3.66	.16	.27	4.48	3.90	.05	.13
JANITORS AND SEXTONS	.37	.51	2.40	4.12	.15	.17	2.76	4.40	.14	.15
NURSES,PRACTICAL	.05	.07	.15	.13	.00	.00	.17	.14	.00	.00
SERVICE WORKERS,NEC	75.03	84.30	1.63	2.41	.34	.17	1.83	2.57	.30	.34
LABORERS,EXCEPT FARM AND MINE	.38	.20	1.70	1.55	1.17	.93	1.79	1.60	6.67	6.80
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.77	1.15	24.58	29.80	17.42	18.14	42.09	38.51	35.80	35.63
ENGINEERS,TECHNICAL	.17	.23	.10	.11	.01	.00	.11	.09	.11	.10
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.01	.02	.00	.00	.00	.00	.05	.06	.05	.05
ENGINEERS,ELECTRICAL	.06	.06	.05	.05	.00	.00	.01	.01	.01	.01
ENGINEERS,INDUSTRIAL	.01	.02	.01	.02	.00	.00	.01	.00	.01	.01
ENGINEERS,MECHANICAL	.05	.04	.03	.03	.00	.00	.02	.01	.02	.02
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.04	.08	.01	.01	.00	.00	.02	.01	.02	.02
NATURAL SCIENTISTS	.05	.06	.01	.00	.01	.00	.54	.48	.35	.39
CHEMISTS	.00	.00	.01	.00	.00	.00	.19	.19	.17	.20
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
BIOLOGICAL SCIENTISTS	.04	.06	.00	.00	.00	.00	.24	.22	.16	.17
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.01	.00	.01	.01	.01	.01
OTHER NATURAL SCIENTISTS	.01	.00	.00	.00	.00	.00	.08	.05	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.26	.44	.66	.76	.03	.06	.07	.05	.08	.07
CRAFTSMEN	.01	.02	.00	.00	.01	.01	.00	.00	.00	.00
SURVEYORS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.24	.41	.65	.76	.01	.03	.06	.05	.08	.07
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.13	.21	.11	.12	39.58	36.21	33.36	33.42
DENTISTS	.00	.00	.01	.01	.00	.00	3.08	2.28	.08	.02
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.67	.47	.96	.72
NURSES,PROFESSIONAL	.00	.00	.04	.11	.01	.01	16.54	14.94	17.51	17.59
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.49	.37	.01	.03
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.47	.31	.06	.04
PHARMACISTS	.00	.00	.00	.00	.00	.00	.21	.21	.26	.28
PHYSICIANS AND SURGEONS	.00	.00	.08	.09	.01	.01	7.57	6.62	2.48	2.08
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.13	.13	.10	.09
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	4.67	7.04	4.55	8.32
VETERINARIANS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.09	.05	5.73	3.83	7.34	4.26
TEACHERS	.03	.04	.07	.18	.74	1.56	.17	.16	.20	.17
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.01	.00	.02	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.02	.00	.02	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.03	.04	.07	.18	.74	1.56	.14	.16	.15	.17
SOCIAL SCIENTISTS	.00	.00	.08	.08	.01	.00	.04	.03	.03	.02
ECONOMISTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.00	.00	.07	.07	.01	.00	.03	.02	.02	.02
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00
OTHER PROF,TECH AND KINDRED	.26	.38	23.54	28.46	16.52	16.41	1.58	1.50	1.65	1.46
ACCOUNTANTS AND AUDITORS	.10	.08	.72	.75	.24	.25	.13	.12	.17	.16
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.08	.09	20.16	23.96	12.15	10.55	.05	.02	.05	.02
CLERGYMEN	.00	.00	.00	.00	.00	.00	.08	.04	.09	.03
DESIGNERS,EXC DESIGN CRAFT	.01	.01	.15	.17	.01	.01	.00	.00	.00	.00
EDITORS AND REPORTERS	.01	.03	1.05	1.35	.03	.02	.01	.00	.00	.00
LAWYERS AND JUDGES	.00	.00	.16	.19	.01	.01	.07	.05	.00	.00
LIBRARIANS	.00	.00	.02	.02	.00	.00	.11	.15	.17	.22
PERSONNEL AND LAB REL WRKS	.01	.02	.03	.06	.06	.09	.15	.15	.19	.16
PHOTOGRAPHERS	.00	.00	.79	.83	.02	.02	.06	.05	.05	.05
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.15	.14	.38	.47	.41	.40
PROF,TECH,KINDRED,NEC	.05	.15	.47	1.13	3.84	5.32	.52	.45	.51	.42
MANAGERS,OFFICIALS,PROPRIETORS	13.96	12.36	16.85	17.03	16.91	13.27	2.08	2.23	1.86	1.78
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.02	.02	.02	.02	.03	.05	.04	.06
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.06	.08	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.05	.04	.21	.32	.03	.03	.09	.10	.12	.14
MANAGERS,OFFICE,PROP. NEC	13.90	12.31	16.62	16.69	16.79	13.15	1.96	2.08	1.69	1.58

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	5.51	6.39	17.65	17.83	8.14	8.02	15.96	16.56	12.04	11.43
STENOS. TYPISTS,SECRETARIES	1.05	1.03	2.95	2.91	1.56	1.65	5.27	5.53	4.19	4.17
OFFICE MACHINE OPERATORS	.08	.09	.98	1.35	.04	.11	.10	.20	.11	.20
OTHER CLERICAL,KINDRED WRKRS	4.37	5.28	13.72	13.57	6.54	6.27	10.59	10.83	7.74	7.06
ACCOUNTING CLERKS	.04	.05	1.09	1.45	.14	.15	.29	.23	.39	.30
BOOKKEEPERS,HAND	1.80	1.95	.36	.49	.97	1.13	.66	.58	.49	.37
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.04	.05	8.11	7.37	2.00	2.17	.22	.20	.33	.30
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.11	.16	.27	.27	.02	.02	.03	.03	.04	.05
TELEPHONE OPERATORS	.02	.04	.17	.13	.19	.28	.59	.50	.86	.76
CLERICAL AND KINDRED,NEC	2.36	3.03	3.72	3.85	3.22	2.52	8.80	9.29	5.64	5.29
SALES WORKERS	1.22	1.21	3.08	3.00	1.05	1.16	.06	.01	.06	.02
CRAFTSMEN,FOREMEN AND KINDRED	56.74	55.75	11.44	11.85	4.76	6.05	2.37	2.02	2.89	2.36
CONSTRUCTION CRAFTSMEN	2.56	2.32	1.48	1.51	1.54	1.64	.69	.47	.96	.66
CARPENTERS	.33	.24	.25	.20	1.11	1.32	.17	.11	.23	.13
BRICKMASONS AND TILE SETRS	.03	.02	.01	.01	.02	.05	.01	.01	.01	.01
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	1.66	1.48	.81	.72	.11	.15	.13	.11	.20	.17
EXCAVATNG,GRADNG MACH OPER	.01	.01	.00	.00	.03	.05	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.40	.41	.37	.54	.24	.24	.24	.14	.34	.20
PLASTERERS	.01	.01	.02	.01	.00	.00	.01	.02	.02	.03
PLUMBERS AND PIPEFITTERS	.12	.14	.02	.02	.03	.04	.11	.09	.16	.12
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.72	.50	.24	.31	.28	.24	.14	.14	.16	.15
METALWKNG CRAFTS EXC MECH	3.03	1.41	.06	.06	.14	.12	.03	.02	.03	.02
MACHINISTS AND RELATED OCC	.01	.01	.06	.06	.09	.08	.01	.01	.01	.01
BLKSMITHS,FORGMN,HAMMERMEN	2.13	.64	.00	.00	.04	.01	.00	.00	.00	.00
BOILERMAKERS	.38	.56	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.21	.16	.00	.00	.01	.03	.01	.01	.01	.01
TOOLMAKERS AND DIEMAKERS	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.01	.00	.03	.07	.01	.01	.01	.01	.02	.01
COMPOSITORS,TYPESETTERS	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.01	.03	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.01	.03	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	40.35	42.51	.83	.79	2.48	3.48	.80	.91	1.07	1.22
AIRPLANE MECH AND REPAIRMN	.19	.22	.00	.00	.01	.01	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	1.61	1.17	.01	.01	.11	.14	.01	.01	.02	.02
OFFICE MACHINE MECHANICS	2.18	1.58	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	17.61	17.69	.01	.01	.01	.01	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	16.77	21.81	.81	.77	2.36	3.33	.78	.90	1.05	1.20

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	11.97	8.57	8.80	9.11	.30	.36	.70	.48	.66	.31
BAKERS	.00	.00	.00	.00	.09	.13	.08	.06	.12	.08
CABINETMAKERS	1.29	.82	.00	.00	.01	.00	.01	.01	.01	.01
CRANE,DERRICK,HOIST MEN	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	3.38	2.16	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.01	.00	.01	.01	.00	.00	.06	.07	.01	.01
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.05	.03	.12	.07	.00	.01	.18	.21	.01	.01
UPHOLSTERERS	5.50	4.35	.03	.02	.01	.00	.01	.00	.01	.00
CRAFTSMEN AND KINDRED NEC	1.71	1.20	8.65	9.01	.19	.22	.35	.14	.49	.20
OPERATIVES AND KINDRED WORKERS	16.86	20.16	4.12	3.17	1.80	2.16	2.29	1.84	3.05	2.50
DRIVERS AND DELIVERYMEN	1.05	1.80	.42	.36	.28	.33	.21	.10	.23	.10
DRIVERS,BUS,TRUCK,TRACTOR	.74	1.06	.27	.22	.24	.29	.10	.04	.11	.05
DELIVERYMEN AND ROUTEMEN	.31	.74	.15	.13	.04	.04	.11	.06	.12	.06
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.03	.03	.01	.02	.01	.03
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.01	.02	.01	.03
SAILORS AND DECKHANDS	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	7.90	9.31	.01	.01	.01	.02	.01	.01	.01	.01
FURNACEMN,SMELTRMN,POURERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	7.89	9.29	.01	.01	.01	.02	.01	.01	.01	.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	7.89	9.04	3.69	2.80	1.48	1.77	2.06	1.72	2.80	2.35
ASBESTOS,INSULATION WRKS	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.04	.05	.08	.05	.20	.25	.02	.01	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.02	.01	.03	.06	.11	1.19	1.21	1.71	1.73
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.04	.08	.05	.03	.07	.04
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	7.84	8.95	3.60	2.72	1.18	1.32	.80	.47	1.00	.57
SERVICE WORKERS	.40	.65	21.33	16.86	41.28	43.22	34.60	38.59	43.67	46.07
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.06	.04	.39	.19	1.63	1.50	.30	.14	.42	.19
FIREMEN	.00	.00	.02	.01	.01	.01	.02	.02	.03	.02
GUARDS,WATCHMEN,DOORKEEPRS	.06	.04	.24	.02	1.49	1.33	.26	.11	.36	.15
POLICE,OTH LAW ENFORCE OFF	.00	.00	.13	.16	.14	.16	.02	.01	.03	.02
FOOD SERVICE WORKERS	.00	.00	1.17	1.28	11.52	16.76	2.77	1.63	3.52	1.81
BARTENDERS	.00	.00	.00	.00	2.04	2.15	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.14	.12	2.32	3.39	1.85	1.03	2.22	.98
COUNTER AND FOUNTAIN WKRS	.00	.00	.28	.28	.49	.59	.44	.34	.64	.49
WAITERS AND WAITRESSES	.00	.00	.75	.87	6.66	10.62	.47	.26	.66	.34
OTHER SERVICE WORKERS	.34	.61	19.77	15.39	28.13	24.56	31.53	36.82	39.73	44.07
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	15.17	19.19	20.53	25.16
CHARWOMEN AND CLEANERS	.07	.18	1.09	.79	.47	.68	.91	.96	.86	.66
JANITORS AND SEXTONS	.18	.34	2.66	1.62	3.59	4.68	1.07	.98	1.29	.98
NURSES,PRACTICAL	.00	.00	.02	.00	.03	.01	5.75	7.91	5.53	6.85
SERVICE WORKERS,NEC	.09	.09	16.00	12.97	24.04	19.59	8.63	7.78	11.53	10.42
LABORERS,EXCEPT FARM AND MINE	2.54	2.32	.95	.47	8.65	7.97	.56	.23	.63	.21
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	53.81	43.45	56.56	54.52	67.80	60.68	37.31	35.03	49.63	42.42
ENGINEERS,TECHNICAL	.11	.07	.00	.00	.23	.44	.07	.18	.02	.02
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.02	.03	.00	.04	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.02	.04	.00	.01	.00	.00
ENGINEERS,CIVIL	.06	.06	.00	.00	.02	.02	.02	.04	.01	.01
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.08	.16	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.00	.00	.01	.02	.03	.06	.01	.01
ENGINEERS,MECHANICAL	.02	.00	.00	.00	.05	.08	.01	.01	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.03	.01	.00	.00	.03	.11	.01	.03	.00	.00
NATURAL SCIENTISTS	.88	.62	.00	.00	.80	1.21	.11	.37	.15	.50
CHEMISTS	.22	.17	.00	.00	.17	.18	.10	.37	.15	.50
AGRICULTURAL SCIENTISTS	.01	.01	.00	.00	.06	.17	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.41	.31	.00	.00	.17	.25	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.03	.04	.00	.00	.00	.00
MATHEMATICIANS	.01	.01	.00	.00	.07	.10	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.13	.32	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.24	.13	.00	.00	.17	.16	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.03	.01	.00	.01	.67	1.35	.14	.15	.03	.04
DRAFTSMEN	.00	.00	.00	.01	.05	.07	.02	.03	.01	.01
SURVEYORS	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
TECHNICIANS,OTHER	.03	.01	.00	.00	.60	1.27	.11	.11	.02	.02
MEDICAL,OTHER HEALTH WORKERS	51.13	40.97	.00	.22	1.18	1.12	.81	1.09	1.03	1.36
DENTISTS	8.67	6.14	.00	.04	.01	.01	.02	.06	.03	.09
DIETITIANS,NUTRITIONISTS	.11	.04	.00	.00	.13	.09	.12	.13	.14	.16
NURSES,PROFESSIONAL	14.74	10.42	.00	.06	.40	.37	.44	.54	.63	.73
OPTOMETRISTS	1.39	.96	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	1.23	.77	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.11	.10	.00	.00	.01	.01	.01	.01	.01	.01
PHYSICIANS AND SURGEONS	17.06	14.39	.00	.11	.11	.10	.06	.10	.06	.12
PSYCHOLOGISTS	.17	.20	.00	.00	.24	.34	.04	.05	.05	.08
TECHNICIANS,MEDICAL,DENTAL	4.90	4.85	.00	.01	.11	.09	.02	.04	.02	.05
VETERINARIANS	.02	.02	.00	.00	.03	.02	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	2.73	3.10	.00	.00	.12	.10	.11	.16	.06	.15
TEACHERS	.13	.14	.01	.01	53.28	43.42	.61	1.52	.55	1.50
TEACHERS,ELEMENTARY	.00	.00	.00	.00	27.20	17.94	.32	.48	.46	.67
TEACHERS,SECONDARY	.00	.00	.00	.00	16.79	16.01	.05	.31	.07	.44
TEACHERS,COLLEGE	.00	.00	.00	.00	5.76	6.66	.00	.00	.00	.00
TEACHERS,OTHER	.13	.14	.01	.01	3.53	2.82	.24	.73	.00	.40
SOCIAL SCIENTISTS	.06	.05	.00	.00	.07	.09	.11	.15	.06	.15
ECONOMISTS	.01	.01	.00	.00	.02	.02	.01	.00	.00	.00
STATISTICIANS + ACTUARIES	.05	.03	.00	.00	.02	.02	.05	.06	.02	.04
OTHER SOCIAL SCIENTISTS	.01	.01	.00	.00	.04	.05	.05	.09	.06	.11
OTHER PROF,TECH AND KINDRED	1.47	1.58	56.55	54.27	11.57	13.04	35.45	31.57	47.77	36.83
ACCOUNTANTS AND AUDITORS	.07	.05	.44	.42	.12	.07	.30	.29	.21	.23
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.02	.01	.02	.03	.03	.05
ARCHITECTS	.00	.00	.00	.01	.01	.01	.02	.05	.03	.06
WRKRS IN ARTS,ENTERTAINMNT	.04	.02	.00	.03	6.27	5.75	3.52	4.75	4.36	5.70
CLERGYMEN	.07	.05	.00	.00	.05	.05	20.72	17.23	30.56	24.16
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.00	.01	.01	.01	.01	.00	.00	.00
EDITORS AND REPORTERS	.02	.01	.00	.01	.07	.04	.20	.21	.10	.09
LAWYERS AND JUDGES	.20	.14	55.48	52.55	.01	.01	.16	.14	.06	.07
LIBRARIANS	.02	.02	.03	.04	1.99	1.61	.09	.11	.05	.11
PERSONNEL AND LAB REL WRKS	.10	.13	.02	.02	.08	.11	.12	.15	.08	.14
PHOTOGRAPHERS	.06	.05	.00	.01	.03	.04	.02	.02	.02	.02
SOCIAL AND WELFARE WORKERS	.32	.58	.00	.00	.19	.19	2.56	2.48	3.51	3.24
PROF.TECH.KINDRED,NEC	.54	.52	.56	.77	2.71	5.14	7.72	6.11	8.70	4.94
MANAGERS,OFFICIALS,PROPRIETORS	2.50	2.99	.79	.85	2.82	3.52	9.17	8.37	2.77	3.30
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.02	.02	.00	.00	.06	.06	.05	.05	.04	.04
MANAGERS,OFFICE,PROP. NEC	2.47	2.95	.79	.85	2.76	3.46	9.11	8.31	2.73	3.26

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	23.28	25.33	41.78	43.70	9.42	15.11	21.25	22.46	15.34	17.69
STENOS, TYPISTS,SECRETARIES	7.29	7.66	36.02	37.40	4.83	7.07	12.91	13.67	10.47	11.97
OFFICE MACHINE OPERATORS	.07	.20	.03	.05	.13	.19	.19	.34	.11	.21
OTHER CLERICAL,KINDRED WKKRS	15.92	17.27	5.73	6.25	4.46	7.65	8.16	8.44	4.76	5.51
ACCOUNTING CLERKS	.11	.11	.14	.14	.19	.19	.16	.17	.11	.14
BOOKKEEPERS,HAND	.98	.95	1.20	1.17	.17	.18	1.52	1.50	.97	1.11
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.03	.02	.01	.01	.28	.29	.23	.23	.09	.15
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.01	.01	.00	.00	.02	.01	.05	.06	.04	.05
TELEPHONE OPERATORS	.10	.06	.28	.19	.23	.28	.27	.29	.19	.23
CLERICAL AND KINDRED,NEC	14.69	16.13	4.10	4.73	3.57	6.90	5.92	6.19	3.36	3.82
SALES WORKERS	.06	.01	.04	.04	.18	.17	.63	.80	.56	.81
CRAFTSMEN,FOREMEN AND KINDRED	1.39	1.44	.05	.05	2.59	2.46	2.18	3.14	2.06	3.32
CONSTRUCTION CRAFTSMEN	.19	.16	.02	.03	.76	.56	.61	.72	.53	.65
CARPENTERS	.08	.08	.01	.01	.25	.20	.24	.29	.25	.31
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.02	.02	.03	.04	.02	.02
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.02	.02	.00	.00	.14	.09	.09	.08	.04	.04
EXCAVATNG,GRADNG MACH OPER	.01	.01	.00	.00	.01	.01	.01	.02	.01	.02
PAINTERS AND PAPERHANGERS	.06	.02	.02	.02	.23	.14	.15	.17	.18	.22
PLASTERERS	.00	.00	.00	.00	.01	.01	.02	.02	.00	.00
PLUMBERS AND PIPEFITTERS	.02	.02	.00	.00	.09	.07	.07	.09	.03	.04
ROOFERS AND SLATERS	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
FOREMEN NEC	.10	.11	.00	.00	.16	.19	.09	.09	.11	.11
METALWKNG CRAFTS EXC MECH	.02	.02	.00	.00	.07	.03	.02	.01	.01	.00
MACHINISTS AND RELATED OCC	.01	.01	.00	.00	.05	.02	.00	.00	.01	.00
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.01	.02	.00	.00	.05	.04	.07	.08	.07	.08
COMPOSITORS,TYPESETTERS	.01	.02	.00	.00	.05	.04	.05	.05	.06	.06
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.01	.00	.02	.03	.01	.02
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.29	.37	.01	.01	1.08	1.22	.95	1.56	.95	1.80
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.00	.00	.00	.00	.06	.04	.01	.01	.00	.00
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.01	.01	.02	.03	.03	.03
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.29	.37	.01	.01	.99	1.14	.92	1.52	.96	1.77

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.77	.76	.01	.01	.46	.41	.43	.68	.35	.68
BAKERS	.02	.01	.00	.00	.11	.14	.05	.06	.04	.04
CABINETMAKERS	.00	.00	.00	.00	.02	.01	.04	.05	.05	.07
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
GLAZIERS	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.16	.17	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.50	.55	.00	.00	.02	.00	.04	.06	.01	.03
UPHOLSTERERS	.00	.00	.00	.00	.00	.02	.03	.10	.05	.14
CRAFTSMEN AND KINDRED NEC	.09	.03	.01	.01	.30	.24	.26	.39	.20	.39
OPERATIVES AND KINDRED WORKERS	.86	.72	.05	.05	1.82	1.84	1.97	1.96	2.21	2.08
DRIVERS AND DELIVERYMEN	.17	.10	.03	.03	1.10	1.23	.46	.64	.53	.76
DRIVERS,BUS,TRUCK,TRACTOR	.07	.04	.00	.00	1.05	1.18	.40	.57	.48	.70
DELIVERYMEN AND ROUTEMEN	.10	.06	.03	.03	.04	.05	.06	.07	.05	.06
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.00	.00	.01	.01	.02	.02	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.00	.00	.01	.01	.02	.02	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	.68	.62	.02	.02	.71	.60	1.48	1.30	1.68	1.32
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.01	.00	.00	.00	.01	.01	.04	.04	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.22	.31	.00	.00	.13	.13	.41	.52	.55	.67
MEAT CUTTERS,EXC MEATPCKNG	.02	.02	.00	.00	.02	.04	.01	.02	.01	.02
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	.43	.29	.02	.02	.55	.43	1.02	.72	1.09	.61
SERVICE WORKERS	17.68	25.81	.67	.75	14.49	15.57	26.00	27.18	25.99	29.16
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.09	.05	.03	.03	.31	.18	.45	.43	.25	.24
FIREMEN	.01	.01	.00	.00	.00	.00	.03	.07	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.07	.03	.00	.00	.25	.10	.38	.32	.24	.23
POLICE,OTH LAW ENFORCE OFF	.01	.01	.03	.03	.06	.08	.04	.04	.01	.01
FOOD SERVICE WORKERS	1.36	1.32	.01	.00	4.48	5.14	5.06	4.53	2.70	3.04
BARTENDERS	.00	.00	.00	.00	.00	.00	.83	.39	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	1.17	1.11	.00	.00	2.72	2.87	2.23	2.26	2.05	2.28
COUNTER AND FOUNTAIN WKRS	.06	.09	.00	.00	1.05	1.47	.17	.22	.10	.13
WAITERS AND WAITRESSES	.13	.12	.01	.00	.71	.80	1.84	1.64	.51	.64
OTHER SERVICE WORKERS	16.23	24.43	.64	.73	9.70	10.24	20.49	22.22	23.05	25.88
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	5.17	8.99	.00	.00	.08	.13	1.49	2.51	2.18	3.48
CHARWOMEN AND CLEANERS	1.00	1.47	.26	.31	.38	.47	.59	.77	.55	.77
JANITORS AND SEXTONS	.67	.98	.22	.29	4.83	4.96	7.82	8.83	9.50	10.70
NURSES,PRACTICAL	6.17	9.73	.00	.01	.04	.02	1.00	.72	1.46	1.00
SERVICE WORKERS,NEC	3.22	3.27	.16	.11	4.37	4.64	9.59	9.39	9.37	9.94
LABORERS,EXCEPT FARM AND MINE	.43	.25	.07	.04	.90	.65	1.51	1.06	1.43	1.22
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	11.37	16.65	.16	.19	64.21	66.20	68.07	72.88	56.19	60.65
ENGINEERS,TECHNICAL	.19	.39	.00	.00	10.09	12.19	19.50	24.90	.16	.27
ENGINEERS,AERONAUTICAL	.01	.14	.00	.00	.04	.07	.06	.11	.00	.00
ENGINEERS,CHEMICAL	.01	.02	.00	.00	.21	.20	.32	.32	.00	.00
ENGINEERS,CIVIL	.05	.11	.00	.00	3.69	3.47	7.54	7.57	.00	.03
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	1.23	1.59	2.23	2.98	.00	.04
ENGINEERS,INDUSTRIAL	.07	.18	.00	.00	.31	.47	.50	.82	.14	.14
ENGINEERS,MECHANICAL	.01	.02	.00	.00	1.60	1.81	3.16	3.76	.00	.01
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.10	.12	.05	.08	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.11	.08	.21	.17	.00	.00
OTHER ENGINEERS,TECHNICAL	.04	.11	.00	.00	2.80	4.38	5.42	9.08	.04	.05
NATURAL SCIENTISTS	.03	.05	.00	.00	1.40	2.39	.66	1.27	.00	.00
CHEMISTS	.02	.03	.00	.00	.33	.39	.14	.13	.00	.00
AGRICULTURAL SCIENTISTS	.01	.01	.00	.00	.02	.06	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.01	.01	.00	.00	.32	.56	.04	.04	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.14	.17	.18	.16	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.11	.51	.09	.58	.00	.00
PHYSICISTS	.00	.00	.00	.00	.25	.43	.18	.31	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.24	.26	.03	.06	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.37	.42	.00	.00	15.84	15.47	30.82	31.36	.00	.15
DRAFTSMEN	.05	.06	.00	.00	7.89	8.08	16.04	17.56	.00	.04
SURVEYORS	.01	.00	.00	.00	2.95	2.45	5.99	5.33	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.02	.03	.00	.00	.01	.00	.02	.01	.00	.00
TECHNICIANS,OTHER	.29	.34	.00	.00	4.99	4.94	8.77	8.48	.00	.10
MEDICAL,OTHER HEALTH WORKERS	.36	.39	.10	.14	.59	.76	.09	.05	.00	.00
DENTISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.06	.06	.00	.00	.01	.01	.02	.02	.00	.00
NURSES,PROFESSIONAL	.05	.06	.09	.12	.07	.09	.04	.04	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.04	.05	.00	.00	.09	.14	.01	.01	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.31	.37	.01	.01	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.02	.02	.00	.00	.06	.09	.01	.01	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.19	.19	.01	.01	.02	.04	.00	.00	.00	.00
TEACHERS	.74	1.56	.02	.03	.06	.11	.04	.08	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.74	1.56	.01	.02	.06	.11	.04	.08	.00	.00
SOCIAL SCIENTISTS	.17	.13	.00	.00	.24	.29	.09	.08	.00	.00
ECONOMISTS	.03	.02	.00	.00	.07	.07	.02	.01	.00	.00
STATISTICIANS + ACTUARIES	.11	.09	.00	.00	.14	.17	.07	.06	.00	.00
OTHER SOCIAL SCIENTISTS	.02	.02	.00	.00	.03	.05	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	9.52	13.51	.03	.02	36.00	34.99	16.86	15.10	58.01	60.23
ACCOUNTANTS AND AUDITORS	.48	.42	.00	.00	19.06	19.05	.76	.85	57.81	59.93
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.06	.10	.11	.20	.00	.00
ARCHITECTS	.01	.01	.00	.00	4.91	3.76	10.00	8.05	.00	.11
WRKRS IN ARTS,ENTERTAINMNT	1.72	2.37	.01	.01	7.20	6.24	.75	.64	.00	.01
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.00	.00	1.93	1.93	3.62	3.53	.00	.05
EDITORS AND REPORTERS	.42	.48	.00	.00	.25	.33	.15	.20	.00	.00
LAWYERS AND JUDGES	.38	.32	.00	.00	.17	.13	.16	.14	.10	.05
LIBRARIANS	.08	.11	.00	.00	.05	.11	.03	.07	.02	.02
PERSONNEL AND LAB REL WRKS	.19	.16	.00	.00	.09	.10	.06	.06	.03	.03
PHOTOGRAPHERS	.03	.04	.00	.00	.14	.24	.07	.13	.00	.00
SOCIAL AND WELFARE WORKERS	.58	.59	.00	.00	.11	.16	.00	.00	.00	.03
PROF,TECH,KINDRED,NEC	5.63	8.99	.01	.01	2.03	2.84	1.15	1.23	.05	.00
MANAGERS,OFFICIALS,PROPRIETORS	22.64	20.99	.04	.03	4.85	4.25	6.03	5.24	2.79	1.85
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.00	.00	.00	.01	.00	.00	.01	.03
OFFICERS,PILOTS,ENGRS,SHIP	.02	.00	.03	.03	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.09	.09	.00	.00	.16	.13	.25	.20	.00	.00
MANAGERS,OFFICE,PROP. NEC	22.52	20.89	.00	.00	4.69	4.11	5.77	5.04	2.78	1.82

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	33.69	34.31	.16	.31	23.76	21.98	16.54	13.26	38.26	36.69
STENOS, TYPISTS,SECRETARIES	18.04	17.90	.11	.22	11.45	10.08	9.95	7.91	15.21	14.13
OFFICE MACHINE OPERATORS	.35	.66	.00	.00	.46	.78	.28	.39	.35	.78
OTHER CLERICAL,KINDRED WRKRS	15.29	15.75	.04	.10	11.85	11.12	6.31	4.96	22.72	21.79
ACCOUNTING CLERKS	.27	.24	.00	.00	.59	.48	.55	.29	.71	.80
BOOKKEEPERS,HAND	2.67	2.48	.01	.00	5.74	5.16	.54	.27	16.84	16.13
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.53	.43	.00	.00	.03	.04	.02	.03	.03	.03
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.07	.08	.00	.00	.03	.03	.03	.03	.00	.00
TELEPHONE OPERATORS	.44	.44	.00	.00	.19	.19	.19	.06	.14	.24
CLERICAL AND KINDRED,NEC	11.31	12.08	.03	.10	5.27	5.22	4.98	4.30	5.01	4.58
SALES WORKERS	.76	.76	.00	.00	.51	.59	.47	.28	.22	.15
CRAFTSMEN,FOREMEN AND KINDRED	2.42	2.71	.27	.35	3.03	3.30	4.41	4.44	.16	.13
CONSTRUCTION CRAFTSMEN	.79	.90	.18	.22	.52	.56	.63	.57	.02	.02
CARPENTERS	.22	.24	.09	.13	.09	.09	.13	.13	.00	.00
BRICKMASONS AND TILE SETRS	.05	.07	.01	.00	.01	.01	.01	.01	.00	.00
CEMENT,CONCRETE FINISHERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.20	.19	.00	.00	.16	.14	.21	.16	.00	.00
EXCAVATNG,GRADNG MACH OPER	.02	.01	.00	.00	.04	.03	.08	.06	.00	.00
PAINTERS AND PAPERHANGERS	.07	.06	.08	.09	.15	.20	.06	.05	.02	.02
PLASTERERS	.04	.08	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.15	.20	.00	.00	.07	.09	.11	.14	.00	.00
ROOFERS AND SLATERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.02	.02	.00	.00	.01	.01	.01	.02	.00	.00
FOREMEN NEC	.05	.02	.00	.00	.36	.43	.48	.57	.04	.03
METALWKNG CRAFTS EXC MECH	.04	.04	.00	.00	.18	.11	.27	.19	.00	.00
MACHINISTS AND RELATED OCC	.00	.00	.00	.00	.03	.01	.06	.02	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
BOILERMAKERS	.01	.01	.00	.00	.01	.01	.01	.02	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.01	.01	.00	.00	.02	.01	.04	.03	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.00	.00	.04	.05	.08	.11	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.07	.00	.07	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.09	.09	.00	.00	.08	.09	.11	.11	.01	.02
COMPOSITORS,TYPESETTERS	.04	.02	.00	.00	.04	.04	.06	.07	.01	.02
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.02	.02	.03	.03	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.05	.07	.00	.00	.02	.04	.02	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.01	.00	.03	.01	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.01	.00	.02	.01	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.86	.96	.08	.12	.53	.76	.55	.72	.04	.04
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.03	.03	.03	.03	.00	.00
MOTOR VEHICLE MECHANICS	.03	.03	.00	.00	.06	.09	.02	.01	.00	.00
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.02
RADIO AND TV MECHANICS	.01	.03	.00	.00	.02	.02	.02	.03	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.83	.90	.08	.12	.41	.61	.48	.65	.02	.02

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	.60	.70	.01	.01	1.36	1.35	2.35	2.28	.04	.03
BAKERS	.08	.11	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.02	.02	.00	.00	.01	.00	.01	.01	.00	.00
GLAZIERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.01	.01	.01	.02	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.11	.14	.00	.00	.17	.03	.29	.00	.00	.00
UPHOLSTERERS	.00	.00	.00	.00	.01	.16	.00	.33	.00	.00
CRAFTSMEN AND KINDRED NEC	.38	.41	.01	.01	1.17	1.14	2.03	1.92	.04	.03
OPERATIVES AND KINDRED WORKERS	1.45	1.65	.55	.20	2.29	2.15	3.10	2.46	.11	.11
DRIVERS AND DELIVERYMEN	.32	.35	.42	.15	.15	.21	.21	.39	.00	.00
DRIVERS,BUS,TRUCK,TRACTOR	.24	.25	.01	.00	.09	.12	.15	.24	.00	.00
DELIVERYMEN AND ROUTEMEN	.08	.10	.40	.15	.05	.09	.06	.15	.00	.00
TRANSP AND PUB UTIL OPERATVS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.05	.06	.00	.00	.07	.07	.12	.16	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.01	.01	.01	.02	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.05	.06	.00	.00	.06	.06	.11	.13	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	1.07	1.23	.13	.05	2.07	1.86	2.77	1.92	.11	.11
ASBESTOS,INSULATION WRKS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.07	.07	.00	.00	.00	.00	.00	.00	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.11	.15	.00	.00	.02	.04	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	.87	.99	.12	.05	2.05	1.81	2.77	1.92	.11	.11
SERVICE WORKERS	26.01	22.27	89.27	86.44	1.02	1.30	.89	1.13	.24	.40
PRIVATE HOUSEHOLD WORKERS	.00	.00	86.77	85.04	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.86	.90	.02	.01	.24	.32	.14	.14	.00	.00
FIREMEN	.09	.24	.00	.00	.01	.02	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.67	.56	.02	.01	.20	.24	.12	.09	.00	.00
POLICE,OTH LAW ENFORCE OFF	.10	.10	.00	.00	.02	.06	.02	.05	.00	.00
FOOD SERVICE WORKERS	10.05	8.24	.01	.00	.06	.08	.00	.00	.00	.00
BARTENDERS	2.57	1.37	.00	.00	.01	.01	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	2.52	2.27	.00	.00	.03	.03	.00	.00	.00	.00
COUNTER AND FOUNTAIN WKRS	.31	.45	.00	.00	.02	.02	.00	.00	.00	.00
WAITERS AND WAITRESSES	4.65	4.14	.01	.00	.01	.02	.00	.00	.00	.00
OTHER SERVICE WORKERS	15.09	13.14	2.48	1.39	.72	.50	.74	.99	.24	.40
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.05	.11	.18	.20	.01	.00	.02	.00	.00	.00
CHARWOMEN AND CLEANERS	.68	.76	.12	.14	.10	.17	.09	.11	.12	.22
JANITORS AND SEXTONS	4.28	4.19	.21	.24	.30	.42	.40	.52	.06	.11
NURSES,PRACTICAL	.04	.03	1.92	.73	.03	.01	.02	.00	.00	.00
SERVICE WORKERS,NEC	10.05	8.04	.05	.07	.28	.31	.21	.35	.06	.08
LABORERS,EXCEPT FARM AND MINE	1.66	.65	9.55	12.48	.33	.24	.50	.30	.01	.02
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLIC ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	64.43	60.72	13.96	17.77	14.07	18.27	.66	1.37	20.14	27.16
ENGINEERS,TECHNICAL	2.85	3.51	1.82	2.12	2.26	3.34	.03	.03	3.27	5.08
ENGINEERS,AERONAUTICAL	.08	.08	.11	.29	.19	.63	.00	.00	.28	.96
ENGINEERS,CHEMICAL	.26	.23	.02	.02	.03	.04	.00	.00	.04	.07
ENGINEERS,CIVIL	.12	.14	.66	.67	.46	.50	.00	.00	.67	.77
ENGINEERS,ELECTRICAL	.76	.95	.33	.45	.52	.85	.00	.00	.76	1.37
ENGINEERS,INDUSTRIAL	.12	.22	.08	.12	.09	.15	.01	.03	.13	.21
ENGINEERS,MECHANICAL	.32	.43	.24	.24	.37	.47	.00	.00	.53	.72
ENGINEERS,METALLURG,ETC	.36	.36	.01	.01	.02	.02	.00	.00	.03	.03
ENGINEERS,MINING	.01	.01	.02	.01	.03	.02	.00	.00	.04	.04
OTHER ENGINEERS,TECHNICAL	.80	1.10	.35	.31	.55	.61	.01	.00	.79	.93
NATURAL SCIENTISTS	5.57	7.51	1.15	1.17	1.71	1.58	.00	.00	2.49	3.02
CHEMISTS	1.36	1.36	.13	.15	.19	.28	.00	.00	.27	.43
AGRICULTURAL SCIENTISTS	.11	.25	.41	.31	.58	.48	.00	.00	.84	.74
BIOLOGICAL SCIENTISTS	1.55	2.25	.17	.24	.20	.32	.00	.00	.29	.49
GEOLOGISTS,GEOPHYSICISTS	.26	.42	.06	.10	.11	.14	.00	.00	.16	.22
MATHEMATICIANS	.32	1.04	.14	.12	.23	.23	.00	.00	.34	.36
PHYSICISTS	.81	1.21	.13	.13	.23	.29	.00	.00	.33	.45
OTHER NATURAL SCIENTISTS	1.17	.58	.11	.11	.18	.22	.00	.00	.27	.34
TECHNICIANS,EXC MEDICAL,DENT	4.41	5.12	2.31	2.71	3.04	3.59	.02	.04	4.41	5.46
DRAFTSMEN	.48	.52	.20	.20	.21	.15	.01	.01	.31	.23
SURVEYORS	.17	.14	.23	.29	.12	.15	.00	.00	.17	.24
AIR TRAFFIC CONTROLLERS	.00	.00	.37	.26	.66	.57	.00	.00	.95	.86
RADIO OPERATORS	.00	.00	.24	.30	.17	.13	.00	.00	.25	.19
TECHNICIANS,OTHER	3.77	4.46	1.26	1.66	1.88	2.59	.01	.03	2.73	3.94
MEDICAL,OTHER HEALTH WORKERS	2.79	3.00	.45	.49	.45	.48	.02	.02	.64	.72
DENTISTS	.04	.04	.01	.02	.02	.02	.00	.00	.03	.03
DIETITIANS,NUTRITIONISTS	.02	.00	.01	.01	.01	.01	.00	.00	.02	.02
NURSES,PROFESSIONAL	.25	.31	.11	.13	.10	.09	.02	.02	.14	.13
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.03	.04	.02	.02	.02	.02	.00	.00	.03	.03
PHYSICIANS AND SURGEONS	.45	.56	.07	.10	.08	.09	.00	.00	.12	.14
PSYCHOLOGISTS	1.57	1.50	.06	.08	.02	.02	.00	.00	.03	.03
TECHNICIANS,MEDICAL,DENTAL	.29	.35	.05	.06	.07	.08	.00	.00	.10	.12
VETERINARIANS	.01	.03	.07	.08	.10	.13	.00	.00	.15	.20
OTHER MEDICAL,HEALTH WRKRS	.12	.17	.02	.02	.02	.02	.00	.00	.03	.03
TEACHERS	.19	.31	.34	.49	.38	.59	.00	.00	.55	.91
TEACHERS,ELEMENTARY	.00	.00	.02	.00	.01	.01	.00	.00	.01	.01
TEACHERS,SECONDARY	.00	.00	.02	.03	.02	.08	.00	.00	.03	.12
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.19	.31	.30	.45	.36	.51	.00	.00	.52	.78
SOCIAL SCIENTISTS	1.01	1.05	.37	.43	.49	.69	.00	.00	.71	1.05
ECONOMISTS	.30	.27	.12	.17	.16	.30	.00	.00	.24	.46
STATISTICIANS + ACTUARIES	.56	.59	.16	.17	.19	.24	.00	.00	.28	.36
OTHER SOCIAL SCIENTISTS	.14	.19	.09	.09	.13	.15	.00	.00	.19	.23
OTHER PROF,TECH AND KINDRED	47.61	40.22	7.52	10.37	5.74	7.59	.60	1.27	8.07	10.92
ACCOUNTANTS AND AUDITORS	1.01	1.23	1.80	1.78	1.91	1.89	.21	.48	2.68	2.64
AIRPLANE PILOTS,NAVIGATORS	.02	.04	.07	.07	.10	.10	.00	.00	.14	.15
ARCHITECTS	.29	.35	.04	.03	.04	.04	.00	.00	.05	.05
WRKRS IN ARTS,ENTERTAINMNT	35.22	24.65	.17	.16	.21	.23	.00	.00	.30	.35
CLERGYMEN	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00
DESIGNERS,EXC DESIGN DRAFT	.86	1.32	.02	.02	.02	.01	.00	.00	.03	.02
EDITORS AND REPORTERS	.93	.99	.11	.10	.15	.18	.00	.00	.22	.27
LAWYERS AND JUDGES	.29	.24	1.11	.93	.76	.58	.01	.01	1.10	.88
LIBRARIANS	.15	.29	.05	.05	.07	.08	.00	.00	.10	.12
PERSONNEL AND LAB REL WRKS	.28	.26	.87	1.18	.60	.73	.14	.15	.81	1.01
PHOTOGRAPHERS	.55	.75	.10	.07	.13	.11	.00	.00	.19	.16
SOCIAL AND WELFARE WORKERS	.55	.63	1.91	2.78	.09	.07	.00	.00	.13	.10
PROF,TECH,KINDRED,NEC	7.48	9.47	1.28	3.18	1.66	3.59	.24	.59	2.30	5.17
MANAGERS,OFFICIALS,PROPRIETORS	5.32	5.43	9.62	10.03	8.11	7.91	8.29	5.58	8.02	9.13
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
CREDITMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.01	.01	.01	.01	.01	.01	.00	.00	.02	.02
POSTMASTERS AND ASSISTANTS	.00	.00	1.22	.67	2.14	1.46	6.87	4.22	.00	.00
PURCHASING AGENTS	.17	.16	.21	.23	.26	.31	.00	.00	.38	.47
MANAGERS,OFFICE,PROF. NEC	5.13	5.26	8.17	9.13	5.68	6.13	1.42	1.36	7.61	8.64

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLIC ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	17.92	19.62	42.69	38.49	55.55	53.27	83.01	81.84	43.12	38.24
STENOS, TYPISTS,SECRETARIES	5.02	9.00	8.35	8.63	7.94	7.38	.36	.31	11.37	11.10
OFFICE MACHINE OPERATORS	1.09	1.53	1.05	1.20	1.16	.82	.16	.28	1.61	1.11
OTHER CLERICAL,KINDRED WRKRS	7.80	9.08	33.29	28.66	46.45	45.07	82.49	81.25	30.14	26.03
ACCOUNTING CLERKS	.49	.43	1.21	1.05	1.22	1.06	.51	.53	1.54	1.34
BOOKKEEPERS,HAND	.44	.39	.00	.00	.00	.00	.00	.00	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.06	.08	.20	.18	.13	.06	.00	.00	.19	.10
MAIL CARRIERS	.00	.00	6.35	5.64	11.23	12.34	36.05	35.60	.00	.00
POSTAL CLERKS	.00	.00	7.54	6.61	13.26	14.47	42.58	41.98	.00	.00
SHIPPING,RECEIVING CLERKS	.09	.06	.08	.07	.12	.13	.00	.00	.18	.20
TELEPHONE OPERATORS	.30	.36	.30	.28	.26	.21	.03	.01	.37	.31
CLERICAL AND KINDRED,NEC	6.42	7.76	17.57	14.83	20.22	16.80	3.32	2.94	27.86	24.08
SALES WORKERS	1.09	1.71	.12	.10	.09	.08	.00	.00	.14	.13
CRAFTSMEN,FOREMEN AND KINDRED	4.30	5.18	8.41	8.04	10.24	10.12	.80	1.30	14.51	14.76
CONSTRUCTION CRAFTSMEN	1.05	1.22	2.16	1.63	2.72	2.25	.06	.06	3.92	3.40
CARPENTERS	.11	.15	.43	.24	.56	.34	.02	.02	.81	.51
BRICKMASONS AND TILE SETRS	.00	.00	.03	.02	.02	.03	.00	.00	.04	.04
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.27	.26	.68	.49	.96	.82	.03	.03	1.39	1.23
EXCAVATNG,GRADNG MACH OPER	.00	.00	.22	.19	.19	.16	.00	.00	.28	.24
PAINTERS AND PAPERHANGERS	.60	.71	.49	.36	.55	.42	.01	.01	.79	.64
PLASTERERS	.00	.00	.01	.01	.01	.01	.00	.00	.01	.01
PLUMBERS AND PIPEFITTERS	.07	.10	.28	.28	.38	.45	.00	.00	.55	.68
ROOFERS AND SLATERS	.00	.00	.01	.01	.01	.01	.00	.00	.02	.02
STRUCTURAL METALWORKERS	.00	.00	.01	.01	.02	.01	.00	.00	.04	.02
FOREMEN NEC	.57	.67	.64	.86	.88	.90	.00	.00	1.28	1.37
METALWKNG CRAFTS EXC MECH	.25	.08	.71	.48	1.16	.94	.01	.01	1.69	1.42
MACHINISTS AND RELATED OCC	.01	.01	.34	.19	.54	.35	.01	.01	.78	.53
BLKSMITHS,FORGMN,HAMMERMEN	.02	.04	.01	.01	.01	.01	.00	.00	.01	.01
BOILERMAKERS	.00	.00	.01	.00	.02	.01	.00	.00	.02	.01
HEAT TREATERS,ANNEALERS	.00	.00	.01	.01	.01	.01	.00	.00	.02	.02
MILLWRIGHTS	.02	.03	.01	.00	.01	.01	.00	.00	.02	.01
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.02	.00	.04	.04	.07	.09	.00	.00	.10	.14
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.00	.26	.20	.45	.41	.00	.00	.65	.63
TOOLMAKERS AND DIEMAKERS	.16	.00	.04	.02	.06	.04	.00	.00	.09	.06
PRINTING TRADES CRAFTSMEN	.12	.15	.14	.14	.19	.21	.00	.00	.27	.32
COMPOSITORS,TYPESETTERS	.03	.01	.07	.07	.07	.06	.00	.00	.11	.12
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.03	.02	.01	.01	.02	.02	.00	.00	.03	.04
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.02	.02	.03	.03	.00	.00	.04	.05
PRESSMEN,PLATE PRINTERS	.06	.12	.04	.04	.06	.07	.00	.00	.09	.11
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.09	.10	.11	.14	.00	.00	.16	.21
LINEMEN AND SERVICEMEN	.00	.00	.08	.09	.10	.14	.00	.00	.14	.21
LOCOMOTIVE ENGINEERS	.00	.00	.01	.00	.01	.00	.00	.00	.01	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	1.28	1.76	3.72	4.06	4.43	4.65	.53	.69	6.19	7.05
AIRPLANE MECH AND REPAIRMN	.06	.05	.57	.63	1.56	1.56	.00	.00	2.27	2.38
MOTOR VEHICLE MECHANICS	.23	.35	.46	.41	.43	.28	.27	.29	.50	.28
OFFICE MACHINE MECHANICS	.02	.03	.01	.01	.02	.02	.00	.00	.03	.03
RADIO AND TV MECHANICS	.06	.04	.27	.27	.38	.39	.01	.01	.55	.58
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01
OTHER MECHANICS AND REPAIR	.90	1.31	2.00	2.54	2.04	2.60	.26	.39	2.84	3.77

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLIC ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	1.04	1.29	.76	.78	.75	.64	.21	.55	.99	1.00
BAKERS	.00	.00	.01	.01	.01	.01	.00	.00	.02	.02
CABINETMAKERS	.00	.00	.02	.02	.04	.04	.00	.00	.05	.05
CRANE,DERRICK,HOIST MEN	.00	.00	.06	.03	.08	.05	.00	.00	.12	.08
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
INSPECTORS,OTHER	.13	.14	.00	.00	.00	.00	.00	.00	.00	.00
UPHOLSTERERS	.03	.05	.02	.02	.04	.04	.00	.00	.05	.06
CRAFTSMEN AND KINDRED NEC	.89	1.10	.63	.69	.57	.70	.21	.55	.74	.77
OPERATIVES AND KINDRED WORKERS	3.64	4.15	3.48	2.90	4.06	3.37	1.45	1.30	5.24	4.45
DRIVERS AND DELIVERYMEN	.21	.14	1.14	1.09	.99	.99	.65	.62	1.15	1.19
DRIVERS,BUS,TRUCK,TRACTOR	.11	.07	1.01	.99	.87	.91	.65	.62	.97	1.06
DELIVERYMEN AND ROUTEMEN	.11	.08	.12	.10	.13	.09	.00	.00	.18	.13
TRANSP AND PUB UTIL OPERATVS	.02	.02	.04	.03	.06	.04	.00	.00	.05	.06
BRAKEMEN AND SWITCHMEN RR	.00	.00	.01	.00	.01	.00	.00	.00	.02	.00
POWER STATION OPERATORS	.00	.00	.01	.01	.01	.02	.00	.00	.02	.03
SAILORS AND DECKHANDS	.02	.02	.02	.01	.03	.02	.00	.00	.05	.03
SEMISKILLED METALWORKING OCC	.04	.01	.12	.11	.19	.21	.00	.00	.27	.33
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.04	.01	.12	.11	.19	.21	.00	.00	.27	.33
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	3.57	3.98	2.18	1.68	2.82	2.12	.79	.68	3.74	2.88
ASBESTOS,INSULATION WRKS	.00	.00	.01	.00	.01	.01	.00	.00	.01	.01
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.03	.03	.02	.01	.00	.00	.03	.01
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.09	.18	.06	.04	.08	.06	.00	.00	.12	.09
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.02	.02	.03	.04	.00	.00	.05	.06
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	3.48	3.80	2.06	1.59	2.68	2.02	.79	.68	3.53	2.72
SERVICE WORKERS	2.66	2.77	18.06	19.75	4.20	3.22	2.08	1.82	5.16	3.96
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.87	1.06	15.20	17.20	1.96	1.33	.14	.11	2.78	1.98
FIREMEN	.06	.09	4.46	4.74	.54	.30	.00	.00	.76	.46
GUARDS,WATCHMEN,DOORKEEPRS	.72	.82	2.66	2.95	.81	.43	.13	.07	1.12	.62
POLICE,OTH LAW ENFORCE OFF	.08	.15	8.08	9.51	.61	.60	.01	.04	.89	.89
FOOD SERVICE WORKERS	.33	.34	.33	.31	.35	.33	.00	.00	.51	.50
BARTENDERS	.04	.06	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.14	.13	.21	.23	.20	.21	.00	.00	.29	.31
COUNTER AND FOUNTAIN WKRS	.10	.08	.04	.03	.04	.04	.00	.00	.06	.06
WAITERS AND WAITRESSES	.06	.08	.07	.05	.11	.08	.00	.00	.16	.12
OTHER SERVICE WORKERS	1.46	1.37	2.53	2.25	1.89	1.56	1.93	1.71	1.86	1.49
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.08	.11	.06	.08	.00	.00	.09	.12
CHARWOMEN AND CLEANERS	.10	.22	.23	.18	.17	.10	.00	.00	.25	.15
JANITORS AND SEXTONS	.42	.62	1.30	.77	1.06	.38	1.79	.00	.73	.57
NURSES,PRACTICAL	.11	.02	.06	.05	.02	.01	.00	.00	.03	.02
SERVICE WORKERS,NEC	.82	.51	.86	1.13	.58	1.00	.15	1.71	.77	.63
LABORERS,EXCEPT FARM AND MINE	.44	.40	3.67	2.91	3.68	3.76	3.70	6.79	3.67	2.16
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION							
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00						
PROFESSIONAL TECHNICAL,KINDRED	22.05	28.04	10.27	12.18						
ENGINEERS,TECHNICAL	.54	.40	1.54	1.43						
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00						
ENGINEERS,CHEMICAL	.00	.00	.00	.00						
ENGINEERS,CIVIL	.29	.21	1.21	1.11						
ENGINEERS,ELECTRICAL	.15	.13	.05	.05						
ENGINEERS,INDUSTRIAL	.00	.00	.10	.14						
ENGINEERS,MECHANICAL	.06	.03	.06	.05						
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00						
ENGINEERS,MINING	.00	.00	.00	.00						
OTHER ENGINEERS,TECHNICAL	.04	.02	.11	.08						
NATURAL SCIENTISTS	1.19	1.33	.08	.07						
CHEMISTS	.13	.09	.02	.01						
AGRICULTURAL SCIENTISTS	.50	.46	.04	.02						
BIOLOGICAL SCIENTISTS	.37	.50	.01	.01						
GEOLOGISTS,GEOPHYSICISTS	.09	.15	.01	.01						
MATHEMATICIANS	.05	.08	.00	.01						
PHYSICISTS	.00	.00	.00	.00						
OTHER NATURAL SCIENTISTS	.05	.05	.00	.00						
TECHNICIANS,EXC MEDICAL,DENT	1.66	2.48	1.19	1.70						
DRAFTSMEN	.12	.07	.23	.32						
SURVEYORS	.23	.15	.43	.54						
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00						
RADIO OPERATORS	.32	.40	.32	.46						
TECHNICIANS,OTHER	1.00	1.56	.21	.40						
MEDICAL,OTHER HEALTH WORKERS	.83	1.00	.28	.27						
DENTISTS	.03	.04	.00	.00						
DIETITIANS,NUTRITIONISTS	.02	.01	.00	.00						
NURSES,PROFESSIONAL	.20	.28	.11	.10						
OPTOMETRISTS	.00	.00	.00	.00						
OSTEOPATHS	.00	.00	.00	.00						
PHARMACISTS	.04	.03	.02	.01						
PHYSICIANS AND SURGEONS	.12	.19	.04	.06						
PSYCHOLOGISTS	.22	.24	.08	.07						
TECHNICIANS,MEDICAL,DENTAL	.06	.10	.01	.01						
VETERINARIANS	.08	.06	.01	.01						
OTHER MEDICAL,HEALTH WRKRS	.06	.05	.01	.01						
TEACHERS	.63	.68	.15	.26						
TEACHERS,ELEMENTARY	.05	.00	.03	.00						
TEACHERS,SECONDARY	.06	.00	.01	.00						
TEACHERS,COLLEGE	.00	.00	.00	.00						
TEACHERS,OTHER	.52	.68	.11	.26						
SOCIAL SCIENTISTS	.58	.55	.06	.05						
ECONOMISTS	.16	.17	.00	.01						
STATISTICIANS + ACTUARIES	.33	.30	.03	.02						
OTHER SOCIAL SCIENTISTS	.08	.09	.03	.03						
OTHER PROF,TECH AND KINDRED	16.66	21.59	6.97	8.40						
ACCOUNTANTS AND AUDITORS	3.61	3.67	.82	.73						
AIRPLANE PILOTS,NAVIGATORS	.12	.16	.00	.00						
ARCHITECTS	.07	.04	.02	.01						
WRKRS IN ARTS,ENTERTAINMNT	.14	.13	.11	.08						
CLERGYMEN	.00	.00	.00	.00						
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.01	.02						
EDITORS AND REPORTERS	.09	.09	.02	.02						
LAWYERS AND JUDGES	2.14	1.88	1.32	.92						
LIBRARIANS	.06	.09	.02	.00						
PERSONNEL AND LAB REL WRKS	3.75	4.36	.16	.22						
PHOTOGRAPHERS	.09	.07	.04	.03						
SOCIAL AND WELFARE WORKERS	4.93	5.59	4.04	4.82						
PROF,TECH,KINDRED,NEC	1.65	5.50	.41	1.55						
MANAGERS,OFFICIALS,PROPRIETORS	12.39	11.37	11.27	12.04						
CONDUCTORS,RAILROAD	.00	.00	.00	.00						
CREDITMEN	.00	.00	.00	.00						
OFFICERS,PILOTS,ENGRS,SHIP	.01	.00	.01	.00						
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00						
PURCHASING AGENTS	.16	.21	.12	.15						
MANAGERS,OFFICE,PROF. NEC	12.21	11.16	11.14	11.90						

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION							
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
CLERICAL AND KINDRED WORKERS	37.96	34.43	20.49	21.98						
STENOS, TYPISTS,SECRETARIES	13.49	12.41	6.92	8.37						
OFFICE MACHINE OPERATORS	1.95	3.04	.44	.77						
OTHER CLERICAL,KINDRED WRKRS	22.46	18.58	13.12	12.84						
ACCOUNTING CLERKS	1.41	1.25	1.09	.94						
BOOKKEEPERS,HAND	.00	.00	.00	.00						
BANK TELLERS	.00	.00	.00	.00						
CASHIERS	.38	.22	.25	.31						
MAIL CARRIERS	.00	.00	.00	.00						
POSTAL CLERKS	.00	.00	.00	.00						
SHIPPING,RECEIVING CLERKS	.04	.05	.01	.01						
TELEPHONE OPERATORS	.38	.32	.34	.34						
CLERICAL AND KINDRED,NEC	20.27	17.14	11.44	11.24						
SALES WORKERS	.29	.20	.09	.06						
CRAFTSMEN,FOREMEN AND KINDRED	6.83	7.07	5.64	5.92						
CONSTRUCTION CRAFTSMEN	1.11	.78	1.55	1.26						
CARPENTERS	.26	.15	.24	.17						
BRICKMASONS AND TILE SETRS	.06	.04	.03	.01						
CEMENT,CONCRETE FINISHERS	.01	.01	.00	.00						
ELECTRICIANS	.22	.16	.34	.25						
EXCAVATNG,GRADNG MACH OPER	.12	.10	.31	.28						
PAINTERS AND PAPERHANGERS	.32	.21	.45	.37						
PLASTERERS	.00	.00	.01	.01						
PLUMBERS AND PIPEFITTERS	.12	.11	.16	.15						
ROOFERS AND SLATERS	.01	.01	.01	.01						
STRUCTURAL METALWORKERS	.00	.00	.00	.00						
FOREMEN NEC	.96	1.11	.69	.70						
METALWKNG CRAFTS EXC MECH	.09	.07	.13	.10						
MACHINISTS AND RELATED OCC	.07	.03	.08	.07						
BLKSMITHS,FORGMN,HAMMERMEN	.01	.01	.03	.01						
BOILERMAKERS	.00	.00	.00	.00						
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00						
MILLWRIGHTS	.00	.00	.00	.00						
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00						
PATTERNMAKERS,METAL,WOOD	.01	.01	.00	.00						
ROLLERS AND ROLL HANDS	.00	.00	.00	.00						
SHEET METAL WORKERS	.01	.01	.02	.02						
TOOLMAKERS AND DIEMAKERS	.01	.01	.00	.00						
PRINTING TRADES CRAFTSMEN	.13	.09	.05	.07						
COMPOSITORS,TYPESETTERS	.09	.05	.04	.06						
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00						
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00						
PHOTOENGRVRS,LITHOGRAPHERS	.01	.01	.00	.00						
PRESSMEN,PLATE PRINTERS	.03	.03	.01	.01						
TRANSPORT AND PUB UTIL CRAFT	.01	.01	.09	.09						
LINEMEN AND SERVICEMEN	.01	.01	.08	.08						
LOCOMOTIVE ENGINEERS	.00	.00	.01	.01						
LOCOMOTIVE FIREMEN	.00	.00	.00	.00						
MECHANICS AND REPAIRMEN	3.10	3.44	2.66	3.38						
AIRPLANE MECH AND REPAIRMN	.60	.66	.00	.00						
MOTOR VEHICLE MECHANICS	.40	.42	.56	.56						
OFFICE MACHINE MECHANICS	.02	.04	.00	.00						
RADIO AND TV MECHANICS	.29	.39	.06	.06						
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00						
OTHER MECHANICS AND REPAIR	1.79	1.93	2.03	2.76						

Ratios of Occupational Composition of Industry Employment, 1960 and Projected for 1975—Continued

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION							
	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO	60 RATIO	75 RATIO
OTHER CRAFTSMEN AND KINDRED	1.44	1.55	.48	.32						
BAKERS	.01	.01	.01	.01						
CABINETMAKERS	.01	.01	.01	.01						
CRANE,DERRICK,HOIST MEN	.01	.00	.05	.02						
GLAZIERS	.00	.00	.00	.00						
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00						
LOOM FIXERS	.00	.00	.00	.00						
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00						
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00						
INSPECTORS,OTHER	.00	.00	.00	.00						
UPHOLSTERERS	.01	.01	.00	.00						
CRAFTSMEN AND KINDRED NEC	1.41	1.52	.41	.27						
OPERATIVES AND KINDRED WORKERS	1.61	1.45	3.18	3.02						
DRIVERS AND DELIVERYMEN	.35	.26	1.74	1.61						
DRIVERS,BUS,TRUCK,TRACTOR	.31	.22	1.59	1.47						
DELIVERYMEN AND ROUTEMEN	.04	.04	.16	.13						
TRANSP AND PUB UTIL OPERATVS	.02	.02	.01	.01						
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00						
POWER STATION OPERATORS	.01	.00	.01	.01						
SAILORS AND DECKHANDS	.02	.02	.00	.00						
SEMISKILLED METALWORKING OCC	.04	.03	.03	.01						
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00						
HEATERS,METAL	.00	.00	.00	.00						
WELDERS AND FLAME-CUTTERS	.04	.03	.03	.01						
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00						
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00						
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00						
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00						
ELECTROPLATERS	.00	.00	.00	.00						
ELECTROPLATERS HELPERS	.00	.00	.00	.00						
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00						
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00						
SPINNERS,TEXTILE	.00	.00	.00	.00						
WEAVERS,TEXTILE	.00	.00	.00	.00						
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00						
OTHER OPERATIVES AND KINDRED	1.20	1.13	1.39	1.39						
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00						
ATTEND,AUTO SERVICE,PARKNG	.01	.01	.07	.06						
BLASTERS AND POWDERMEN	.00	.00	.00	.00						
LAUNDRY,DRY CLEANING OPER	.07	.04	.02	.01						
MEAT CUTTERS,EXC MEATPCKNG	.01	.01	.00	.00						
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00						
OPERATIVES AND KINDRED,NEC	1.11	1.08	1.30	1.32						
SERVICE WORKERS	17.18	16.47	44.55	42.00						
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00						
PROTECTIVE SERVICE WORKERS	13.29	13.06	40.98	39.03						
FIREMEN	.20	.20	13.68	12.48						
GUARDS,WATCHMEN,DOORKEEPRS	7.08	6.45	4.25	4.41						
POLICE,OTH LAW ENFORCE OFF	6.01	6.41	23.05	22.14						
FOOD SERVICE WORKERS	.36	.32	.26	.27						
BARTENDERS	.00	.00	.00	.00						
COOKS,EXC PRIV HOUSEHOLDS	.24	.24	.22	.25						
COUNTER AND FOUNTAIN WKRS	.04	.03	.03	.01						
WAITERS AND WAITRESSES	.07	.06	.01	.01						
OTHER SERVICE WORKERS	3.53	3.09	3.32	2.70						
AIRLINE STEWARDS,STWRESSES	.00	.00	.00	.00						
ATTENDANTS,HOSP,OTHER INST	.24	.36	.04	.04						
CHARWOMEN AND CLEANERS	.23	.14	.35	.31						
JANITORS AND SEXTONS	1.33	1.17	1.76	1.06						
NURSES,PRACTICAL	.18	.15	.08	.06						
SERVICE WORKERS,NEC	1.56	1.26	1.09	1.23						
LABORERS,EXCEPT FARM AND MINE	1.65	.98	4.51	2.78						
FARMERS AND FARM WORKERS	.00	.00	.00	.00						

Appendix D

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent

(Employees in thousands)

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES TOTAL		AGRICULTURE		FORESTRY		FISHERIES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	88,660.1	100.00	3,875.0	100.00	3,745.0	100.00	70.0	100.00	60.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	12,924.2	14.58	92.6	2.39	53.8	1.44	36.2	51.67	2.6	4.29
ENGINEERS,TECHNICAL	1,450.0	1.64	2.2	.06	.4	.01	1.7	2.41	.1	.11
ENGINEERS,AERONAUTICAL	68.5	.08	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	61.7	.07	.1	.00	.0	.00	.1	.07	.0	.00
ENGINEERS,CIVIL	248.2	.28	1.5	.04	.0	.00	1.4	1.98	.1	.11
ENGINEERS,ELECTRICAL	319.8	.36	.0	.00	.0	.00	.0	.01	.0	.00
ENGINEERS,INDUSTRIAL	169.9	.19	.0	.00	.0	.00	.0	.05	.0	.00
ENGINEERS,MECHANICAL	254.6	.29	.0	.00	.0	.00	.0	.05	.0	.00
ENGINEERS,METALLURG,ETC	33.2	.04	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	15.2	.02	.0	.00	.0	.00	.0	.03	.0	.00
OTHER ENGINEERS,TECHNICAL	278.8	.31	.5	.01	.4	.01	.1	.21	.0	.00
NATURAL SCIENTISTS	465.2	.52	17.2	.44	4.7	.12	11.1	15.86	1.4	2.38
CHEMISTS	174.6	.20	1.0	.03	.9	.02	.1	.14	.0	.02
AGRICULTURAL SCIENTISTS	53.3	.06	13.5	.35	3.0	.08	10.4	14.87	.1	.17
BIOLOGICAL SCIENTISTS	63.7	.07	2.6	.07	.8	.02	.5	.69	1.3	2.19
GEOLOGISTS,GEOPHYSICISTS	29.3	.03	.0	.00	.0	.00	.0	.01	.0	.00
MATHEMATICIANS	51.2	.06	.0	.00	.0	.00	.0	.04	.0	.00
PHYSICISTS	58.0	.07	.0	.00	.0	.00	.0	.01	.0	.00
OTHER NATURAL SCIENTISTS	35.0	.04	.1	.00	.0	.00	.1	.09	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	1,417.5	1.60	13.9	.36	10.8	.29	3.0	4.29	.1	.09
DRAFTSMEN	375.0	.42	.5	.01	.0	.00	.5	.74	.0	.00
SURVEYORS	82.0	.09	.9	.02	.0	.00	.9	1.31	.0	.00
AIR TRAFFIC CONTROLLERS	13.3	.02	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	27.2	.03	.1	.00	.0	.00	.1	.09	.0	.00
TECHNICIANS,OTHER	920.0	1.04	12.4	.32	10.8	.29	1.5	2.15	.1	.09
MEDICAL,OTHER HEALTH WORKERS	2,239.6	2.53	19.5	.50	19.5	.52	.0	.00	.0	.00
DENTISTS	124.7	.14	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	36.6	.04	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	860.0	.97	.0	.00	.0	.00	.0	.00	.0	.00
OPTOMETRISTS	20.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	16.4	.02	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	126.0	.14	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	373.7	.42	.0	.00	.0	.00	.0	.00	.0	.00
PSYCHOLOGISTS	40.0	.05	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	393.4	.44	.0	.00	.0	.00	.0	.00	.0	.00
VETERINARIANS	26.0	.03	19.5	.50	19.5	.52	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	222.8	.25	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	3,063.0	3.45	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,ELEMENTARY	1,233.0	1.39	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	1,100.0	1.24	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	455.0	.51	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	275.0	.31	.0	.00	.0	.00	.0	.00	.0	.00
SOCIAL SCIENTISTS	78.7	.09	.1	.00	.0	.00	.1	.13	.0	.02
ECONOMISTS	31.0	.03	.1	.00	.0	.00	.1	.08	.0	.00
STATISTICIANS + ACTUARIES	35.9	.04	.0	.00	.0	.00	.0	.05	.0	.02
OTHER SOCIAL SCIENTISTS	11.8	.01	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	4,210.2	4.75	39.7	1.03	18.4	.49	20.3	28.99	1.0	1.69
ACCOUNTANTS AND AUDITORS	660.0	.74	1.7	.04	1.2	.03	.5	.67	.1	.14
AIRPLANE PILOTS,NAVIGATORS	55.0	.06	3.1	.08	2.9	.08	.2	.35	.0	.00
ARCHITECTS	45.0	.05	.1	.00	.0	.00	.1	.18	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	774.3	.87	5.7	.15	5.6	.15	.1	.11	.0	.00
CLERGYMEN	240.0	.27	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	115.5	.13	1.5	.04	1.2	.03	.3	.41	.0	.00
EDITORS AND REPORTERS	128.0	.14	.0	.00	.0	.00	.0	.04	.0	.00
LAWYERS AND JUDGES	320.0	.36	.2	.00	.0	.00	.2	.23	.0	.00
LIBRARIANS	130.0	.15	.1	.00	.0	.00	.1	.21	.0	.00
PERSONNEL AND LAB REL WRKS	191.0	.22	.1	.00	.0	.00	.1	.13	.0	.00
PHOTOGRAPHERS	57.0	.06	.0	.00	.0	.00	.0	.00	.0	.00
SOCIAL AND WELFARE WORKERS	218.0	.25	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	1,276.4	1.44	27.2	.70	7.6	.20	18.7	26.66	.9	1.56
MANAGERS,OFFICIALS,PROPRIETORS	9,052.8	10.21	37.9	.98	29.7	.79	3.2	4.55	5.1	8.45
CONDUCTORS,RAILROAD	44.4	.05	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	89.1	.10	.0	.00	.0	.00	.0	.00	.0	.00
OFFICERS,PILOTS,ENGRS,SHIP	35.7	.04	2.2	.06	.0	.00	.1	.15	2.1	3.46
POSTMASTERS AND ASSISTANTS	34.2	.04	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	189.4	.21	.2	.01	.0	.00	.2	.28	.0	.04
MANAGERS,OFFICE,PROP. NEC	8,660.0	9.77	35.5	.92	29.7	.79	2.9	4.12	3.0	4.94

NOTE: Zero means less than 50 employees or less than 0.005 percent. Employment may or may not be zero. Detail may not add to totals due to rounding.

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES TOTAL		AGRICULTURE		FORESTRY		FISHERIES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	14,762.0	16.65	37.0	.96	28.0	.75	7.2	10.22	1.8	3.06
STENOS,TYPISTS,SECRETARIES	3,900.0	4.40	11.5	.30	8.2	.22	2.8	4.06	.4	.65
OFFICE MACHINE OPERATORS	700.0	.79	.3	.01	.0	.00	.2	.27	.1	.13
OTHER CLERICAL,KINDRED WRKRS	10,162.0	11.46	25.3	.65	19.8	.53	4.1	5.89	1.4	2.28
ACCOUNTING CLERKS	470.0	.53	1.6	.04	1.5	.04	.0	.04	.1	.09
BOOKKEEPERS,HAND	894.0	1.01	.5	.01	.0	.00	.4	.52	.1	.19
BANK TELLERS	263.0	.30	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	973.0	1.10	.0	.00	.0	.00	.0	.00	.0	.00
MAIL CARRIERS	290.0	.33	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	340.0	.38	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	365.0	.41	.0	.00	.0	.00	.0	.00	.0	.00
TELEPHONE OPERATORS	452.0	.51	.0	.00	.0	.00	.0	.00	.0	.00
CLERICAL AND KINDRED,NEC	6,115.0	6.90	23.2	.60	18.3	.49	3.7	5.30	1.2	2.00
SALES WORKERS	5,906.0	6.66	9.6	.25	8.7	.23	.1	.19	.8	1.41
CRAFTSMEN,FOREMEN AND KINDRED	11,356.9	12.81	52.4	1.35	45.1	1.20	5.6	7.96	1.8	2.96
CONSTRUCTION CRAFTSMEN	3,102.2	3.50	14.0	.36	12.8	.34	.8	1.19	.4	.59
CARPENTERS	900.0	1.02	8.5	.22	8.0	.21	.2	.32	.2	.37
BRICKMASONS AND TILE SETRS	227.7	.26	1.2	.03	1.2	.03	.0	.00	.0	.00
CEMENT,CONCRETE FINISHERS	75.0	.08	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	450.0	.51	.1	.00	.0	.00	.1	.10	.0	.05
EXCAVATNG,GRADNG MACH OPER	335.0	.38	2.5	.06	2.0	.05	.5	.73	.0	.00
PAINTERS AND PAPERHANGERS	455.0	.51	1.7	.04	1.6	.04	.0	.03	.0	.08
PLASTERERS	61.0	.07	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	425.0	.48	.1	.00	.0	.00	.0	.00	.1	.09
ROOFERS AND SLATERS	68.5	.08	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	105.0	.12	.0	.00	.0	.00	.0	.00	.0	.00
FOREMEN NEC	1,650.0	1.86	11.7	.30	9.7	.26	1.7	2.37	.3	.53
METALWKNG CRAFTS EXC MECH	1,208.1	1.36	.2	.00	.0	.00	.2	.23	.0	.04
MACHINISTS AND RELATED OCC	504.0	.57	.1	.00	.0	.00	.1	.16	.0	.04
BLKSMITHS,FORGMN,HAMMERMEN	24.0	.03	.0	.00	.0	.00	.0	.00	.0	.00
BOILERMAKERS	27.4	.03	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	21.5	.02	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	87.8	.10	.0	.00	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	56.0	.06	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	49.0	.06	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	34.0	.04	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	183.4	.21	.1	.00	.0	.00	.1	.07	.0	.00
TOOLMAKERS AND DIEMAKERS	221.0	.25	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	329.7	.37	.0	.00	.0	.00	.0	.00	.0	.00
COMPOSITORS,TYPESETTERS	155.0	.17	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROTYPERS,STEREOTYPERS	5.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	15.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	55.0	.06	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	99.7	.11	.0	.00	.0	.00	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	456.6	.52	.1	.00	.0	.00	.1	.13	.0	.00
LINEMEN AND SERVICEMEN	400.0	.45	.1	.00	.0	.00	.1	.13	.0	.00
LOCOMOTIVE ENGINEERS	50.0	.06	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	6.6	.01	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	3,174.4	3.58	22.4	.58	19.7	.53	2.0	2.87	.7	1.12
AIRPLANE MECH AND REPAIRMN	138.7	.16	1.2	.03	1.2	.03	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	940.0	1.06	1.8	.05	1.7	.05	.1	.17	.0	.00
OFFICE MACHINE MECHANICS	104.3	.12	.0	.00	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	140.4	.16	.2	.01	.0	.00	.2	.30	.0	.00
RR AND CAR SHOP MECHANICS	41.0	.05	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	1,810.0	2.04	19.2	.50	16.8	.45	1.7	2.40	.7	1.12

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES TOTAL		AGRICULTURE		FORESTRY		FISHERIES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	1,435.9	1.62	4.1	.11	2.9	.08	.8	1.17	.4	.68
BAKERS	97.0	.11	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	75.0	.08	.0	.00	.0	.00	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	172.0	.19	.1	.00	.0	.00	.0	.00	.1	.13
GLAZIERS	29.9	.03	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	39.0	.04	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	24.0	.03	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	25.0	.03	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	24.7	.03	.5	.01	.0	.00	.5	.68	.0	.00
INSPECTORS,OTHER	141.2	.16	1.2	.03	1.1	.03	.0	.00	.1	.10
UPHOLSTERERS	77.8	.09	.0	.00	.0	.00	.0	.00	.0	.00
CRAFTSMEN AND KINDRED NEC	730.3	.82	2.3	.06	1.7	.05	.3	.48	.3	.45
OPERATIVES AND KINDRED WORKERS	14,805.7	16.70	122.1	3.15	112.2	3.00	5.3	7.58	4.6	7.64
DRIVERS,OTHER TRAN AND PU OP	3,332.0	3.76	76.0	1.96	72.7	1.94	2.4	3.41	.8	1.41
DRIVERS,BUS,TRUCK,TRACTOR	2,325.0	2.62	72.6	1.87	69.6	1.86	2.4	3.41	.7	1.09
DELIVERYMEN AND ROUTEMEN	845.0	.95	3.3	.08	3.2	.08	.0	.00	.1	.21
BRAKEMEN AND SWITCHMEN RR	110.7	.12	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	24.2	.03	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	27.1	.03	.1	.00	.0	.00	.0	.00	.1	.11
SEMISKILLED METALWORKING OCC	1,828.1	2.06	.9	.02	.9	.02	.0	.00	.0	.00
FURNACEMN,SMELTRMN,POURERS	56.4	.06	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	8.7	.01	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	575.0	.65	.9	.02	.9	.02	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS A	140.0	.16	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	545.0	.61	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	210.0	.24	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	256.0	.29	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	14.6	.02	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	22.4	.03	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	938.6	1.06	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	43.5	.05	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	30.6	.03	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	40.5	.05	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	824.0	.93	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	8,707.0	9.82	45.3	1.17	38.6	1.03	2.9	4.17	3.7	6.22
ASBESTOS,INSULATION WKRS	29.3	.03	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	520.0	.59	.0	.00	.0	.00	.0	.03	.0	.00
BLASTERS AND POWDERMEN	5.6	.01	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	449.5	.51	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	222.7	.25	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	200.0	.23	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	7,279.9	8.21	45.2	1.17	38.6	1.03	2.9	4.14	3.7	6.22
SERVICE WORKERS	12,740.4	14.37	14.7	.38	12.8	.34	1.0	1.47	.8	1.41
PRIVATE HOUSEHOLD WORKERS	2,700.0	3.05	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	1,183.0	1.33	1.8	.05	1.3	.03	.5	.72	.0	.04
FIREMEN	250.0	.28	.2	.00	.0	.00	.2	.24	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	415.0	.47	1.7	.04	1.3	.03	.3	.49	.0	.04
POLICE,OTH LAW ENFORCE OFF	518.0	.58	.0	.00	.0	.00	.0	.00	.0	.00
FOOD SERVICE WORKERS	2,638.0	2.98	3.6	.09	2.7	.07	.2	.24	.7	1.23
BARTENDERS	233.0	.26	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	860.0	.97	3.6	.09	2.7	.07	.1	.20	.7	1.23
COUNTER AND FOUNTAIN WKRS	320.0	.36	.0	.00	.0	.00	.0	.00	.0	.00
WAITERS AND WAITRESSES	1,225.0	1.38	.0	.00	.0	.00	.0	.04	.0	.00
OTHER SERVICE WORKERS	6,219.4	7.01	9.2	.24	8.8	.23	.4	.51	.1	.15
AIRLINE STEWARDS,STWRDSSES	32.0	.04	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	1,083.0	1.22	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	372.0	.42	.0	.00	.0	.00	.0	.07	.0	.00
JANITORS AND SEXTONS	980.0	1.11	.2	.00	.0	.00	.2	.23	.0	.04
NURSES,PRACTICAL	465.0	.52	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	3,287.4	3.71	9.0	.23	8.8	.23	.2	.22	.1	.11
LABORERS,EXCEPT FARM AND MINE	3,760.0	4.24	156.7	4.04	102.7	2.74	11.5	16.36	42.5	70.79
FARMERS AND FARM WORKERS	3,352.0	3.78	3,352.0	86.50	3,352.0	89.51	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NONMETALLIC MINING AND QUARRYING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	640.0	100.00	85.0	100.00	110.0	100.00	295.0	100.00	150.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	72.5	11.33	7.4	8.74	3.6	3.24	54.2	18.37	7.3	4.87
ENGINEERS,TECHNICAL	23.8	3.71	2.7	3.15	1.6	1.43	16.7	5.66	2.8	1.87
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	2.1	.33	.1	.08	.0	.04	1.7	.56	.4	.25
ENGINEERS,CIVIL	1.9	.30	.1	.13	.2	.14	1.1	.38	.5	.34
ENGINEERS,ELECTRICAL	1.5	.23	.2	.19	.1	.06	1.0	.34	.2	.15
ENGINEERS,INDUSTRIAL	2.2	.35	.3	.34	.3	.25	1.3	.46	.3	.22
ENGINEERS,MECHANICAL	1.7	.27	.3	.30	.1	.12	1.0	.34	.3	.22
ENGINEERS,METALLURG,ETC	.5	.07	.4	.41	.0	.00	.0	.00	.1	.07
ENGINEERS,MINING	12.1	1.89	1.4	1.67	.8	.76	9.3	3.14	.6	.39
OTHER ENGINEERS,TECHNICAL	1.7	.27	.0	.04	.1	.06	1.3	.43	.4	.24
NATURAL SCIENTISTS	15.0	2.34	1.4	1.64	.3	.25	12.9	4.37	.5	.30
CHEMISTS	1.5	.23	.4	.48	.2	.20	.7	.22	.2	.14
AGRICULTURAL SCIENTISTS	.0	.01	.0	.01	.0	.00	.0	.01	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	13.1	2.04	1.0	1.13	.1	.05	11.8	4.00	.2	.16
MATHEMATICIANS	.2	.03	.0	.00	.0	.00	.2	.07	.0	.00
PHYSICISTS	.2	.03	.0	.02	.0	.00	.2	.06	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	18.2	2.84	1.7	1.96	.7	.65	13.7	4.65	2.1	1.38
DRAFTSMEN	5.4	.85	.3	.30	.1	.13	4.8	1.62	.2	.14
SURVEYORS	1.7	.26	.3	.38	.2	.18	.9	.32	.2	.13
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.3	.05	.0	.04	.0	.00	.3	.09	.0	.00
TECHNICIANS,OTHER	10.8	1.69	1.1	1.24	.4	.33	7.7	2.62	1.7	1.10
MEDICAL,OTHER HEALTH WORKERS	.3	.05	.3	.32	.0	.01	.0	.01	.0	.00
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.1	.02	.1	.11	.0	.01	.0	.00	.0	.00
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.2	.02	.1	.14	.0	.00	.0	.01	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.1	.01	.1	.07	.0	.00	.0	.00	.0	.00
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.1	.02	.0	.01	.0	.01	.1	.03	.0	.00
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.1	.02	.0	.01	.0	.01	.1	.03	.0	.00
SOCIAL SCIENTISTS	.4	.06	.2	.20	.0	.02	.2	.06	.0	.02
ECONOMISTS	.1	.02	.0	.00	.0	.00	.1	.04	.0	.00
STATISTICIANS + ACTUARIES	.2	.03	.1	.12	.0	.02	.1	.02	.0	.02
OTHER SOCIAL SCIENTISTS	.1	.01	.1	.07	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	14.8	2.31	1.2	1.47	.9	.86	10.6	3.60	2.0	1.30
ACCOUNTANTS AND AUDITORS	9.0	1.40	.7	.78	.6	.51	7.0	2.36	.8	.52
AIRPLANE PILOTS,NAVIGATORS	.6	.09	.0	.05	.0	.04	.5	.16	.0	.01
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.2	.03	.0	.00	.0	.00	.2	.05	.1	.04
EDITORS AND REPORTERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAWYERS AND JUDGES	1.0	.16	.0	.00	.1	.06	.9	.30	.1	.05
LIBRARIANS	.1	.01	.0	.00	.0	.00	.1	.02	.0	.00
PERSONNEL AND LAB REL WRKS	1.3	.21	.2	.21	.1	.11	.8	.28	.2	.14
PHOTOGRAPHERS	.1	.02	.0	.00	.0	.00	.1	.04	.0	.00
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	2.5	.39	.4	.43	.2	.14	1.1	.38	.8	.55
MANAGERS,OFFICIALS,PROPRIETORS	63.6	9.93	3.1	3.69	5.0	4.54	38.0	12.89	17.4	11.60
CONDUCTORS,RAILROAD	.0	.00	.0	.02	.0	.00	.0	.00	.0	.00
CREDITMEN	.1	.02	.0	.00	.0	.00	.1	.05	.0	.00
OFFICERS,PILOTS,ENGRS,SHIP	.8	.12	.0	.00	.0	.00	.6	.21	.1	.09
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	1.8	.28	.3	.33	.2	.21	.8	.28	.5	.30
MANAGERS,OFFICE,PROP. NEC	60.8	9.51	2.8	3.34	4.8	4.33	36.4	12.35	16.8	11.20

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NOMETALLIC MINING AND QUARRYING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	67.7	10.58	5.5	6.46	4.7	4.31	45.7	15.48	11.8	7.89
STENOS.TYPISTS.SECRETARIES	25.0	3.90	1.7	2.03	.6	.57	20.8	7.04	1.9	1.24
OFFICE MACHINE OPERATORS	3.3	.51	.4	.45	.1	.10	2.5	.86	.3	.18
OTHER CLERICAL,KINDRED WRKRS	39.5	6.17	3.4	3.98	4.0	3.64	22.4	7.58	9.7	6.47
ACCOUNTING CLERKS	2.8	.45	.1	.17	.4	.36	1.8	.61	.5	.33
BOOKKEEPERS,HAND	4.6	.71	.2	.23	.4	.40	3.1	1.04	.9	.59
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.0	.00	.0	.01	.0	.02	.0	.00	.0	.00
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	1.0	.16	.0	.05	.1	.11	.3	.09	.6	.39
TELEPHONE OPERATORS	.6	.09	.1	.17	.1	.05	.4	.12	.0	.02
CLERICAL AND KINDRED,NEC	30.4	4.75	2.8	3.34	3.0	2.70	16.9	5.72	7.7	5.14
SALES WORKERS	3.7	.57	.0	.04	.7	.63	1.8	.60	1.2	.77
CRAFTSMEN,FOREMEN AND KINDRED	156.7	24.49	28.1	33.05	34.0	30.89	56.8	19.24	37.9	25.27
CONSTRUCTION CRAFTSMEN	37.1	5.80	8.0	9.38	11.3	10.32	3.3	1.13	14.5	9.66
CARPENTERS	2.5	.38	.8	.94	.4	.38	.3	.10	.9	.62
BRICKMASONS AND TILE SETRS	.7	.10	.1	.08	.3	.23	.1	.04	.2	.15
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	8.7	1.36	2.3	2.69	4.1	3.73	.9	.30	1.5	.97
EXCAVATNG,GRADNG MACH OPER	22.0	3.44	3.8	4.52	6.2	5.64	.9	.32	11.1	7.38
PAINTERS AND PAPERHANGERS	.7	.10	.1	.07	.0	.01	.3	.09	.3	.21
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	2.3	.36	.9	1.07	.3	.31	.6	.21	.5	.30
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.3	.04	.0	.00	.0	.01	.2	.07	.0	.02
FOREMEN NEC	41.7	6.51	7.5	8.86	10.1	9.22	19.8	6.70	4.2	2.82
METALWKNG CRAFTS EXC MECH	5.9	.92	1.4	1.66	1.2	1.07	1.8	.59	1.5	1.01
MACHINISTS AND RELATED OCC	3.0	.47	.7	.88	1.0	.94	.2	.08	1.0	.66
BLKSMITHS,FORGMN,HAMMERMEN	1.6	.24	.2	.26	.1	.12	1.1	.36	.1	.09
BOILERMAKERS	.3	.04	.2	.25	.0	.01	.1	.02	.0	.00
HEAT TREATERS,ANNEALERS	.1	.02	.0	.00	.0	.00	.1	.03	.0	.00
MILLWRIGHTS	.4	.06	.0	.05	.0	.00	.0	.00	.4	.24
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.1	.01	.1	.10	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.2	.03	.0	.05	.0	.00	.1	.04	.0	.00
TOOLMAKERS AND DIEMAKERS	.2	.04	.1	.07	.0	.00	.2	.05	.0	.02
PRINTING TRADES CRAFTSMEN	.1	.01	.0	.01	.0	.00	.1	.02	.0	.00
COMPOSITORS,TYPESETTERS	.0	.01	.0	.01	.0	.00	.0	.01	.0	.00
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
TRANSPORT AND PUB UTIL CRAFT	1.2	.19	.8	.91	.2	.14	.1	.02	.2	.14
LINEMEN AND SERVICEMEN	.1	.01	.0	.00	.0	.00	.1	.02	.0	.00
LOCOMOTIVE ENGINEERS	1.1	.17	.7	.84	.1	.13	.0	.00	.2	.14
LOCOMOTIVE FIREMEN	.1	.01	.1	.07	.0	.01	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	36.4	5.69	6.5	7.70	9.0	8.18	11.3	3.82	9.6	6.40
AIRPLANE MECH AND REPAIRMN	.2	.03	.0	.00	.0	.00	.1	.04	.0	.03
MOTOR VEHICLE MECHANICS	1.6	.25	.4	.42	.2	.17	.3	.11	.7	.47
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	.3	.04	.0	.00	.0	.04	.2	.06	.1	.04
RR AND CAR SHOP MECHANICS	.1	.01	.1	.06	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	34.4	5.37	6.1	7.22	8.8	7.97	10.7	3.61	8.8	5.86

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NONMETALLIC MINING AND QUARRYING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	34.4	5.37	3.9	4.53	2.2	1.97	20.5	6.95	7.9	5.24
BAKERS	.1	.02	.0	.00	.0	.00	.1	.04	.0	.00
CABINETMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	5.9	.92	1.9	2.23	.6	.55	.3	.10	3.1	2.07
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.04
INSPECTORS,LOG AND LUMBER	.1	.01	.0	.00	.0	.00	.1	.02	.0	.00
INSPECTORS,OTHER	1.9	.30	.5	.59	.3	.32	.8	.28	.3	.19
UPHOLSTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CRAFTSMEN AND KINDRED NEC	26.3	4.11	1.5	1.72	1.2	1.10	19.2	6.51	4.4	2.93
OPERATIVES AND KINDRED WORKERS	267.1	41.73	38.4	45.12	61.0	55.49	96.0	32.54	71.7	47.80
DRIVERS,OTHER TRAN AND PU OP	40.0	6.25	4.9	5.82	7.0	6.33	8.8	2.99	19.2	12.83
DRIVERS,BUS,TRUCK,TRACTOR	38.7	6.04	4.9	5.74	6.9	6.26	8.0	2.71	18.9	12.61
DELIVERYMEN AND ROUTEMEN	.8	.12	.0	.02	.0	.02	.5	.15	.3	.20
BRAKEMEN AND SWITCHMEN RR	.1	.02	.0	.06	.1	.05	.0	.00	.0	.02
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.4	.06	.0	.00	.0	.00	.4	.13	.0	.00
SEMISKILLED METALWORKING OCC	10.7	1.68	3.2	3.74	2.3	2.07	2.3	.76	3.0	2.01
FURNACEMN,SMELTRMN,POURERS	.4	.06	.4	.43	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	10.4	1.62	2.8	3.30	2.3	2.07	2.3	.76	3.0	2.01
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	216.4	33.81	30.2	35.56	51.8	47.08	84.9	28.79	49.4	32.96
ASBESTOS,INSULATION WKRS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BLASTERS AND POWDERMEN	2.5	.39	.7	.80	1.0	.92	.1	.05	.7	.45
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.1	.02	.0	.04	.1	.05	.0	.01	.0	.01
MINE OPERATVS,LABORERS,NEC	200.0	31.24	27.6	32.46	44.1	40.13	84.1	28.51	44.1	29.41
OPERATIVES AND KINDRED,NEC	13.8	2.15	1.9	2.26	6.6	5.98	.7	.22	4.6	3.09
SERVICE WORKERS	8.7	1.36	2.5	2.92	1.0	.90	2.6	.88	2.7	1.79
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	2.6	.41	1.0	1.20	.5	.45	.1	.03	1.0	.67
FIREMEN	.1	.01	.1	.08	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	2.4	.38	.9	1.01	.5	.42	.1	.03	1.0	.67
POLICE,OTH LAW ENFORCE OFF	.1	.02	.1	.11	.0	.03	.0	.00	.0	.00
FOOD SERVICE WORKERS	.9	.15	.1	.07	.0	.03	.7	.23	.2	.11
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.9	.14	.0	.03	.0	.01	.7	.23	.2	.11
COUNTER AND FOUNTAIN WKRS	.0	.00	.0	.02	.0	.00	.0	.00	.0	.00
WAITERS AND WAITRESSES	.0	.00	.0	.01	.0	.02	.0	.00	.0	.00
OTHER SERVICE WORKERS	5.2	.81	1.4	1.65	.5	.42	1.8	.61	1.5	1.01
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	.5	.08	.2	.24	.0	.04	.2	.06	.1	.08
JANITORS AND SEXTONS	2.6	.41	1.0	1.15	.2	.22	.7	.24	.7	.46
NURSES,PRACTICAL	.0	.00	.0	.04	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	2.0	.31	.2	.23	.2	.17	.9	.31	.7	.47
LABORERS,EXCEPT FARM AND MINE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING					
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	5,675.0	100.00	20,625.1	100.00	11,995.6	100.00				
PROFESSIONAL TECHNICAL,KINDRED	408.6	7.20	2,319.0	11.25	1,631.7	13.60				
ENGINEERS,TECHNICAL	151.6	2.67	799.4	3.88	680.7	5.68				
ENGINEERS,AERCNAUTICAL	.0	.00	44.8	.22	44.7	.37				
ENGINEERS,CHEMICAL	.6	.01	49.2	.24	11.8	.10				
ENGINEERS,CIVIL	135.8	2.39	17.5	.08	12.7	.11				
ENGINEERS,ELECTRICAL	3.8	.07	192.4	.93	186.8	1.56				
ENGINEERS,INDUSTRIAL	1.3	.02	131.0	.64	109.5	.91				
ENGINEERS,MECHANICAL	5.4	.10	188.7	.91	166.5	1.39				
ENGINEERS,METALLURG,ETC	.0	.00	28.9	.14	27.1	.23				
ENGINEERS,MINING	.0	.00	1.2	.01	.4	.00				
OTHER ENGINEERS,TECHNICAL	4.8	.08	145.6	.71	121.2	1.01				
NATURAL SCIENTISTS	2.4	.04	188.6	.91	62.2	.52				
CHEMISTS	.8	.01	114.2	.55	23.1	.19				
AGRICULTURAL SCIENTISTS	.0	.00	7.9	.04	1.3	.01				
BIOLOGICAL SCIENTISTS	.0	.00	12.6	.06	.8	.01				
GEOLOGISTS,GEOPHYSICISTS	.6	.01	3.9	.02	1.9	.02				
MATHEMATICIANS	1.0	.02	19.4	.09	16.4	.14				
PHYSICISTS	.0	.00	18.1	.09	15.5	.13				
OTHER NATURAL SCIENTISTS	.0	.00	12.4	.06	3.2	.03				
TECHNICIANS,EXC MEDICAL,DENT	167.9	2.96	613.0	2.97	468.2	3.90				
DRAFTSMEN	41.3	.73	186.5	.90	169.6	1.41				
SURVEYORS	29.5	.52	1.0	.00	.6	.01				
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00				
RADIO OPERATORS	.6	.01	1.0	.00	.9	.01				
TECHNICIANS,OTHER	96.6	1.70	424.6	2.07	297.0	2.48				
MEDICAL,OTHER HEALTH WORKERS	.0	.00	23.1	.11	14.6	.12				
DENTISTS	.0	.00	.0	.00	.0	.00				
DIETICIANS,NUTRITIONISTS	.0	.00	.6	.00	.5	.00				
NURSES,PROFESSIONAL	.0	.00	12.6	.06	8.4	.07				
OPTOMETRISTS	.0	.00	.0	.00	.0	.00				
OSTEOPATHS	.0	.00	.0	.00	.0	.00				
PHARMACISTS	.0	.00	1.7	.01	.1	.00				
PHYSICIANS AND SURGEONS	.0	.00	2.0	.01	1.3	.01				
PSYCHOLOGISTS	.0	.00	.6	.00	.4	.00				
TECHNICIANS,MEDICAL,DENTAL	.0	.00	5.0	.03	4.0	.03				
VETERINARIANS	.0	.00	.3	.00	.0	.00				
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.2	.00	.0	.00				
TEACHERS	.0	.00	5.6	.03	3.4	.03				
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00				
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00				
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00				
TEACHERS,OTHER	.0	.00	5.6	.03	3.4	.03				
SOCIAL SCIENTISTS	.6	.01	13.8	.07	8.9	.07				
ECONOMISTS	.0	.00	5.3	.03	3.5	.03				
STATISTICIANS + ACTUARIES	.6	.01	7.0	.03	5.2	.04				
OTHER SOCIAL SCIENTISTS	.0	.00	1.5	.01	.2	.00				
OTHER PROF,TECH AND KINDRED	86.0	1.52	675.5	3.28	393.5	3.28				
ACCOUNTANTS AND AUDITORS	21.4	.38	138.2	.67	87.3	.73				
AIRPLANE PILOTS,NAVIGATORS	.6	.01	3.7	.02	2.6	.02				
ARCHITECTS	2.0	.03	1.6	.01	1.2	.01				
WRKRS IN ARTS,ENTERTAINMNT	1.2	.02	56.5	.27	29.6	.25				
CLERGYMEN	.0	.00	.0	.00	.0	.00				
DESIGNERS,EXC DESIGN DRAFT	7.3	.13	55.7	.27	34.0	.28				
EDITORS AND REPORTERS	.0	.00	85.8	.42	6.4	.05				
LAWYERS AND JUDGES	1.5	.03	6.4	.03	4.1	.03				
LIBRARIANS	.0	.00	3.5	.02	2.5	.02				
PERSONNEL AND LAB REL WRKS	3.5	.06	54.0	.26	35.1	.29				
PHOTOGRAPHERS	.0	.00	22.7	.11	4.8	.04				
SOCIAL AND WELFARE WORKERS	.0	.00	.2	.00	.2	.00				
PROF,TECH,KINDRED,NEC	48.5	.85	247.2	1.20	185.8	1.55				
MANAGERS,OFFICIALS,PROPRIETORS	640.6	11.29	1,295.9	6.28	734.1	6.12				
CONDUCTORS,RAILROAD	.0	.00	.4	.00	.3	.00				
CREDITMEN	.0	.00	13.2	.06	5.5	.05				
OFFICERS,PILOTS,ENGRS,SHIP	1.6	.03	1.3	.01	.8	.01				
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00				
PURCHASING AGENTS	1.5	.03	115.6	.56	92.4	.77				
MANAGERS,OFFICE,PROP. NEC	637.5	11.23	1,165.4	5.65	635.1	5.30				

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING					
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	343.2	6.05	2,490.3	12.07	1,405.5	11.72				
STENOS,TYPISTS,SECRETARIES	101.7	1.79	697.7	3.38	421.6	3.52				
OFFICE MACHINE OPERATORS	4.3	.08	161.2	.78	88.5	.74				
OTHER CLERICAL,KINDRED WRKRS	237.2	4.18	1,631.5	7.91	895.4	7.46				
ACCOUNTING CLERKS	39.4	.69	84.6	.41	45.4	.38				
BOOKKEEPERS,HAND	47.0	.83	92.1	.45	39.1	.33				
BANK TELLERS	.0	.00	.0	.00	.0	.00				
CASHIERS	.6	.01	10.1	.05	3.8	.03				
MAIL CARRIERS	.0	.00	.0	.00	.0	.00				
POSTAL CLERKS	.0	.00	.0	.00	.0	.00				
SHIPPING,RECEIVING CLERKS	.6	.01	220.7	1.07	109.5	.91				
TELEPHONE OPERATORS	2.2	.04	30.3	.15	15.0	.13				
CLERICAL AND KINDRED,NEC	147.4	2.60	1,193.8	5.78	682.7	5.69				
SALES WORKERS	20.8	.37	740.3	3.59	251.8	2.10				
CRAFTSMEN,FOREMEN AND KINDRED	2,778.6	48.96	4,007.6	19.43	2,699.2	22.50				
CONSTRUCTION CRAFTSMEN	2,192.7	38.64	397.8	1.93	307.8	2.57				
CARPENTERS	675.0	11.89	87.2	.42	74.9	.62				
BRICKMASONS AND TILE SETRS	197.5	3.48	14.1	.07	12.0	.10				
CEMENT,CONCRETE FINISHERS	74.0	1.30	.6	.00	.2	.00				
ELECTRICIANS	205.0	3.61	130.1	.64	95.7	.80				
EXCAVATNG,GRADNG MACH OPER	270.0	4.76	12.5	.06	8.5	.07				
PAINTERS AND PAPERHANGERS	324.0	5.71	22.7	.11	20.4	.17				
PLASTERERS	56.0	.99	.8	.00	.5	.00				
PLUMBERS AND PIPEFITTERS	265.2	4.67	89.1	.43	56.1	.47				
ROOFERS AND SLATERS	63.0	1.11	1.3	.01	.6	.00				
STRUCTURAL METALWORKERS	63.0	1.11	39.5	0.19	39.0	.32				
FOREMEN NEC	177.1	3.12	955.7	4.62	569.2	4.75				
METALWKNG CRAFTS EXC MECH	82.7	1.46	1,023.2	4.96	949.2	7.91				
MACHINISTS AND RELATED OCC	3.1	.06	452.2	2.20	419.4	3.50				
BLKSMITHS,FORGMN,HAMMERMEN	2.0	.04	15.4	0.07	14.3	.12				
BOILERMAKERS	7.5	.13	14.4	.07	11.5	.10				
HEAT TREATERS,ANNEALERS	.0	.00	21.0	.10	21.0	.18				
MILLWRIGHTS	11.0	.19	73.5	.36	52.4	.44				
MOLDERS,METAL,EXC COREMKRS	.0	.00	55.9	.27	55.7	.46				
PATTERNMAKERS,METAL,WOOD	.0	.00	43.9	.21	41.9	.35				
ROLLERS AND ROLL HANDS	.0	.00	33.7	.16	33.7	.28				
SHEET METAL WORKERS	59.0	1.04	94.0	.46	90.2	.75				
TOOLMAKERS AND DIEMAKERS	.0	.00	219.1	1.06	209.0	1.74				
PRINTING TRADES CRAFTSMEN	.0	.00	302.5	1.47	15.1	.13				
COMPOSITORS,TYPESETTERS	.0	.00	138.5	.67	5.0	.04				
ELECTROTYPERS,STEREOTYPERS	.0	.00	4.8	.02	.2	.00				
ENGRAVERS EXC PHOTOENGRVER	.0	.00	13.5	.07	4.7	.04				
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	53.6	.26	2.0	.02				
PRESSMEN,PLATE PRINTERS	.0	.00	92.2	.45	3.2	.03				
TRANSPORT AND PUB UTIL CRAFT	19.4	.34	18.0	.09	16.7	.14				
LINEMEN AND SERVICEMEN	19.4	.34	14.6	.07	13.8	.12				
LOCOMOTIVE ENGINEERS	.0	.00	3.2	.02	2.7	.02				
LOCOMOTIVE FIREMEN	.0	.00	.1	.00	.1	.00				
MECHANICS AND REPAIRMEN	150.8	2.66	743.9	3.61	460.5	3.84				
AIRPLANE MECH AND REPAIRMN	.0	.00	33.1	.16	32.8	.27				
MOTOR VEHICLE MECHANICS	7.8	.14	42.4	.21	33.9	.28				
OFFICE MACHINE MECHANICS	.0	.00	9.6	.05	9.3	.08				
RADIO AND TV MECHANICS	1.1	.02	11.7	.06	11.6	.10				
RR AND CAR SHOP MECHANICS	.0	.00	1.7	.01	1.7	.01				
OTHER MECHANICS AND REPAIR	141.8	2.50	645.3	3.12	371.2	3.09				

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING					
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	156.1	2.75	566.6	2.75	380.7	3.17				
BAKERS	.0	.00	49.2	.24	.4	.00				
CABINETMAKERS	8.2	.14	33.9	.16	32.9	.27				
CRANE,DERRICK,HOIST MEN	31.4	.55	106.5	.52	98.7	.82				
GLAZIERS	12.1	.21	4.9	.02	4.5	.04				
JEWELERS AND WATCHMAKERS	.0	.00	10.9	.05	10.9	.09				
LOOM FIXERS	.0	.00	24.0	.12	.1	.00				
OPTICIANS,LENS GRINDERS	.0	.00	8.5	.04	8.5	.07				
INSPECTORS,LOG AND LUMBER	.0	.00	20.0	.10	18.5	.15				
INSPECTORS,OTHER	32.4	.57	14.9	.07	12.3	.10				
UPHOLSTERERS	.6	.01	30.5	.15	28.5	.24				
CRAFTSMEN AND KINDRED NEC	71.5	1.26	263.4	1.28	165.5	1.38				
OPERATIVES AND KINDRED WORKERS	668.7	11.78	8,662.0	42.00	4,562.2	38.03				
DRIVERS,OTHER TRAN AND PU OP	264.8	4.67	608.6	2.95	227.6	1.90				
DRIVERS,BUS,TRUCK,TRACTOR	257.6	4.54	360.5	1.74	202.1	1.69				
DELIVERYMEN AND ROUTEMEN	3.7	.06	233.9	1.13	17.3	.14				
BRAKEMEN AND SWITCHMEN RR	.0	.00	5.4	.03	5.0	.04				
POWER STATION OPERATORS	.6	.01	7.6	.04	2.4	.02				
SAILORS AND DECKHANDS	2.9	.05	1.3	.01	.7	.01				
SEMISKILLED METALWORKING OCC	68.2	1.20	1,651.1	8.01	1,628.1	13.57				
FURNACEMN,SMELTRMN,POURERS	.0	.00	55.8	.27	55.7	.46				
HEATERS,METAL	.0	.00	8.7	.04	8.7	.07				
WELDERS AND FLAME-CUTTERS	68.2	1.20	398.5	1.93	375.8	3.13				
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	140.0	.68	140.0	1.17				
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	545.0	2.64	545.0	4.54				
INSPECTORS,MTLWRK,CLASS B	.0	.00	210.0	1.02	210.0	1.75				
MACHINE TOOL OPER,CLASS B	.0	.00	256.0	1.25	256.0	2.13				
ELECTROPLATERS	.0	.00	14.6	.07	14.6	.12				
ELECTROPLATERS HELPERS	.0	.00	22.4	.11	22.4	.19				
SEMISKILLED TEXTILE OCCUP	.0	.00	937.9	4.55	33.2	.28				
KNITTERS,LOOPERS,TOPPERS	.0	.00	43.5	.21	.0	.00				
SPINNERS,TEXTILE	.0	.00	30.6	.15	.1	.00				
WEAVERS,TEXTILE	.0	.00	39.8	.19	.6	.00				
SEWERS AND STICHERS,MFG	.0	.00	824.0	4.00	32.6	.27				
OTHER OPERATIVES AND KINDRED	335.7	5.92	5,464.4	26.49	2,673.3	22.29				
ASBESTOS,INSULATION WKRS	17.6	.31	9.8	.05	6.7	.06				
ATTEND,AUTO SERVICE,PARKNG	.5	.01	2.0	.01	1.5	.01				
BLASTERS AND POWDERMEN	2.1	.04	1.0	.00	.8	.01				
LAUNDRY,DRY CLEANING OPER	.0	.00	2.1	.01	.1	.00				
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	1.2	.01	.1	.00				
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00				
OPERATIVES AND KINDRED,NEC	315.5	5.56	5,448.3	26.41	2,664.1	22.21				
SERVICE WORKERS	29.5	.52	334.6	1.62	182.1	1.52				
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00				
PROTECTIVE SERVICE WORKERS	5.0	.09	97.7	.47	68.2	.57				
FIREMEN	.0	.00	3.7	.02	3.1	.03				
GUARDS,WATCHMEN,DOORKEEPRS	5.0	.09	89.8	.43	62.8	.52				
POLICE,OTH LAW ENFORCE OFF	.0	.00	4.2	.02	2.3	.02				
FOOD SERVICE WORKERS	2.1	.04	21.0	.10	9.3	.08				
BARTENDERS	.0	.00	.0	.00	.0	.00				
COOKS,EXC PRIV HOUSEHOLDS	1.0	.02	7.9	.04	3.1	.03				
COUNTER AND FOUNTAIN WKRS	.5	.01	7.3	.04	4.3	.04				
WAITERS AND WAITRESSES	.6	.01	5.7	.02	1.9	.02				
OTHER SERVICE WORKERS	22.4	.39	215.9	1.05	104.5	.87				
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00				
ATTENDANTS,HOSP,OTHER INST	.0	.00	.4	.00	.4	.00				
CHARWOMEN AND CLEANERS	5.5	.10	30.1	.15	15.9	.13				
JANITORS AND SEXTONS	9.5	.17	98.9	.48	48.8	.41				
NURSES,PRACTICAL	.0	.00	.3	.00	.2	.00				
SERVICE WORKERS,NEC	7.3	.13	86.1	.42	39.2	.33				
LABORERS,EXCEPT FARM AND MINE	784.9	13.83	775.3	3.76	528.3	4.40				
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00				

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS		SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE,CLAY AND GLASS PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	615.0	100.00	110.0	100.00	505.0	100.00	535.0	100.00	675.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	14.8	2.41	1.7	1.51	13.1	2.60	14.2	2.65	41.4	6.13
ENGINEERS,TECHNICAL	1.4	.23	.1	.10	1.3	.26	3.2	.60	12.3	1.82
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.1	.02	.0	.00	.1	.03	.0	.00	1.0	.14
ENGINEERS,CIVIL	.1	.02	.1	.10	.0	.00	.1	.02	1.3	.19
ENGINEERS,ELECTRICAL	.1	.01	.0	.00	.1	.01	.0	.00	.7	.11
ENGINEERS,INDUSTRIAL	.3	.05	.0	.00	.3	.06	1.3	.24	1.9	.29
ENGINEERS,MECHANICAL	.1	.02	.0	.00	.1	.02	.3	.06	2.1	.31
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.1	.02
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.2	.02
OTHER ENGINEERS,TECHNICAL	.7	.12	.0	.00	.7	.14	1.5	.28	5.0	.74
NATURAL SCIENTISTS	1.7	.27	.0	.00	1.7	.33	.1	.01	2.7	.40
CHEMISTS	.7	.11	.0	.00	.7	.13	.1	.01	2.3	.34
AGRICULTURAL SCIENTISTS	1.0	.16	.0	.00	1.0	.20	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
MATHEMATICIANS	.0	.00	.0	.00	.0	.00	.0	.00	.1	.01
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.3	.04
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	3.1	.50	.1	.09	3.0	.59	4.7	.87	9.5	1.41
DRAFTSMEN	2.0	.33	.0	.03	2.0	.39	4.1	.77	2.3	.35
SURVEYORS	.3	.05	.0	.01	.3	.06	.0	.00	.1	.02
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.1	.02	.0	.00	.1	.02	.0	.00	.1	.01
TECHNICIANS,OTHER	.7	.11	.0	.04	.6	.12	.5	.10	7.0	1.04
MEDICAL,OTHER HEALTH WORKERS	.1	.02	.0	.02	.1	.02	.2	.03	.4	.06
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.1	.02	.0	.02	.1	.02	.2	.03	.3	.05
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.1	.01
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.03
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.0	.00	.0	.00	.0	.00	.0	.00	.2	.03
SOCIAL SCIENTISTS	.1	.02	.0	.00	.1	.03	.0	.01	.3	.04
ECONOMISTS	.0	.00	.0	.00	.0	.00	.0	.01	.1	.01
STATISTICIANS + ACTUARIES	.1	.02	.0	.00	.1	.03	.0	.00	.2	.03
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	8.3	1.35	1.4	1.30	6.9	1.37	6.1	1.14	16.0	2.37
ACCOUNTANTS AND AUDITORS	1.8	.29	.2	.19	1.6	.31	1.6	.31	5.3	.79
AIRPLANE PILOTS,NAVIGATORS	.0	.01	.0	.03	.0	.00	.0	.00	.0	.00
ARCHITECTS	.3	.04	.0	.00	.3	.05	.1	.01	.1	.01
WRKRS IN ARTS,ENTERTAINMNT	.2	.03	.0	.00	.2	.03	.3	.06	1.5	.23
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.5	.09	.0	.00	.5	.11	1.0	.18	.5	.07
EDITORS AND REPORTERS	.0	.00	.0	.00	.0	.00	.1	.02	.1	.01
LAWYERS AND JUDGES	.0	.01	.0	.00	.0	.01	.1	.02	.2	.02
LIBRARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PERSONNEL AND LAB REL WRKS	.6	.10	.0	.02	.6	.12	.7	.13	1.4	.20
PHOTOGRAPHERS	.0	.00	.0	.03	.0	.00	.0	.00	.0	.01
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	4.8	.79	1.1	1.03	3.7	.73	2.2	.41	6.9	1.02
MANAGERS,OFFICIALS,PROPRIETORS	44.0	7.15	10.5	9.53	33.5	6.63	36.9	6.90	57.6	8.53
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.0	.00	.0	.00	.0	.00	.6	.10	.3	.04
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.2	.02
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	2.2	.36	.8	.69	1.5	.29	1.4	.27	2.2	.33
MANAGERS,OFFICE,PROP. NEC	41.8	6.79	9.7	8.84	32.0	6.35	34.9	6.53	54.9	8.14

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS		SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE,CLAY AND GLASS PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	35.7	5.80	1.0	.92	34.7	6.87	52.8	9.88	69.5	10.29
STENOS,TYPISTS,SECRETARIES	9.2	1.50	.2	.21	9.0	1.78	14.3	2.67	16.5	2.45
OFFICE MACHINE OPERATORS	1.1	.18	.0	.04	1.1	.21	2.7	.50	3.8	.56
OTHER CLERICAL,KINDRED WRKRS	25.4	4.12	.7	.67	24.6	4.87	35.9	6.70	49.2	7.29
ACCOUNTING CLERKS	1.4	.22	.1	.10	1.3	.25	1.2	.22	2.8	.42
BOOKKEEPERS,HAND	4.4	.71	.1	.11	4.2	.84	3.6	.67	7.0	1.04
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.1	.02	.0	.00	.1	.02	.1	.01	.3	.04
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	3.4	.55	.0	.03	3.3	.66	9.5	1.78	5.7	.84
TELEPHONE OPERATORS	.1	.02	.0	.00	.1	.03	.4	.07	1.0	.15
CLERICAL AND KINDRED,NEC	16.0	2.60	.5	.42	15.5	3.08	21.1	3.95	32.4	4.81
SALES WORKERS	9.6	1.56	.4	.38	9.2	1.81	19.8	3.69	24.7	3.66
CRAFTSMEN,FOREMEN AND KINDRED	96.8	15.74	8.8	8.03	87.9	17.41	112.1	20.95	107.9	15.99
CONSTRUCTION CRAFTSMEN	16.8	2.73	1.7	1.56	15.1	2.99	16.3	3.05	15.2	2.26
CARPENTERS	11.9	1.94	.1	.09	11.8	2.34	15.6	2.92	3.1	.45
BRICKMASONS AND TILE SETRS	.1	.01	.0	.00	.1	.01	.0	.00	1.8	.27
CEMENT,CONCRETE FINISHERS	.0	.01	.0	.00	.0	.01	.0	.00	.1	.02
ELECTRICIANS	1.3	.22	.0	.03	1.3	.26	.4	.07	5.2	.76
EXCAVATNG,GRADNG MACH OPER	2.9	.47	1.6	1.44	1.3	.26	.1	.01	3.2	.48
PAINTERS AND PAPERHANGERS	.3	.05	.0	.00	.3	.06	.3	.05	.3	.04
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.1	.02
PLUMBERS AND PIPEFITTERS	.2	.03	.0	.00	.2	.03	.0	.00	1.2	.18
ROOFERS AND SLATERS	.1	.01	.0	.00	.1	.01	.0	.00	.2	.03
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.1	.02
FOREMEN NEC	25.2	4.10	2.8	2.58	22.4	4.43	29.0	5.42	33.5	4.96
METALWKNG CRAFTS EXC MECH	8.7	1.42	.3	.24	8.5	1.68	4.5	.84	10.3	1.53
MACHINISTS AND RELATED OCC	2.0	.33	.1	.06	2.0	.39	.7	.13	5.1	.75
BLKSMITHS,FORGMN,HAMMERMEN	.1	.02	.0	.00	.1	.02	.0	.00	.1	.01
BOILERMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	6.0	.98	.2	.18	5.8	1.15	.3	.06	1.9	.28
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.04
PATTERNMAKERS,METAL,WOOD	.2	.03	.0	.00	.2	.04	.5	.09	.5	.07
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.03
SHEET METAL WORKERS	.3	.04	.0	.00	.3	.05	1.3	.24	.3	.05
TOOLMAKERS AND DIEMAKERS	.1	.02	.0	.00	.1	.02	1.7	.31	2.0	.30
PRINTING TRADES CRAFTSMEN	.2	.03	.0	.00	.2	.04	.3	.05	.4	.05
COMPOSITORS,TYPESETTERS	.2	.03	.0	.00	.2	.04	.2	.04	.0	.00
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.3	.04
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.1	.01	.1	.01
TRANSPORT AND PUB UTIL CRAFT	.1	.02	.0	.01	.1	.02	.0	.00	.1	.02
LINEMEN AND SERVICEMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE ENGINEERS	.1	.01	.0	.01	.1	.01	.0	.00	.1	.01
LOCOMOTIVE FIREMEN	.0	.01	.0	.00	.0	.01	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	13.7	2.22	1.5	1.34	12.2	2.41	12.0	2.24	32.9	4.87
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.6	.10	.3	.24	.4	.08	.1	.03	2.0	.30
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.01	.1	.01
RR AND CAR SHOP MECHANICS	.0	.01	.0	.00	.0	.01	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	13.0	2.11	1.2	1.11	11.8	2.33	11.8	2.21	30.8	4.56

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS		SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE,CLAY AND GLASS PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	32.0	5.21	2.5	2.29	29.5	5.85	50.1	9.36	15.6	2.30
BAKERS	.1	.02	.0	.00	.1	.02	.3	.05	.0	.01
CABINETMAKERS	4.0	.65	.0	.01	4.0	.79	23.6	4.42	.1	.01
CRANE,DERRICK,HOIST MEN	6.1	1.00	1.4	1.27	4.8	.94	.4	.08	6.2	.91
GLAZIERS	.7	.11	.0	.00	.7	.14	.1	.02	1.6	.24
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.03
INSPECTORS,LOG AND LUMBER	18.1	2.95	.9	.77	17.3	3.42	.2	.03	.1	.01
INSPECTORS,OTHER	.0	.01	.0	.00	.0	.01	.0	.00	.2	.02
UPHOLSTERERS	.1	.01	.0	.00	.1	.01	23.9	4.46	.0	.00
CRAFTSMEN AND KINDRED NEC	2.9	.47	.3	.24	2.6	.52	1.6	.30	7.2	1.06
OPERATIVES AND KINDRED WORKERS	254.6	41.40	22.9	20.85	231.7	45.88	272.9	51.02	306.5	45.40
DRIVERS,OTHER TRAN AND PU OP	44.0	7.15	18.9	17.22	25.0	4.95	16.5	3.09	68.0	10.07
DRIVERS,BUS,TRUCK,TRACTOR	42.3	6.88	18.8	17.13	23.5	4.65	14.3	2.68	66.0	9.78
DELIVERYMEN AND ROUTEMEN	1.1	.18	.1	.07	1.0	.20	2.1	.39	1.4	.21
BRAKEMEN AND SWITCHMEN RR	.1	.02	.0	.02	.1	.02	.0	.00	.1	.02
POWER STATION OPERATORS	.4	.07	.0	.00	.4	.08	.1	.02	.2	.03
SAILORS AND DECKHANDS	.0	.01	.0	.00	.0	.01	.0	.00	.2	.03
SEMISKILLED METALWORKING OCC	2.1	.34	.0	.03	2.1	.41	10.1	1.88	7.7	1.15
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.8	.12
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	2.1	.34	.0	.03	2.1	.41	10.1	1.88	6.9	1.03
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.5	.08	.0	.00	.5	.10	14.7	2.75	.3	.04
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
SEWERS AND STICHERS,MFG	.5	.08	.0	.00	.5	.10	14.7	2.75	.2	.04
OTHER OPERATIVES AND KINDRED	208.1	33.83	4.0	3.59	204.1	40.42	231.6	43.29	230.5	34.15
ASBESTOS,INSULATION WKRS	.2	.04	.0	.00	.2	.05	.1	.01	.9	.13
ATTEND,AUTO SERVICE,PARKNG	.1	.01	.0	.00	.1	.02	.0	.01	.0	.00
BLASTERS AND POWDERMEN	.4	.07	.3	.28	.1	.02	.0	.00	.4	.06
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.1	.01
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	207.3	33.71	3.6	3.31	203.7	40.33	231.5	43.28	229.1	33.94
SERVICE WORKERS	8.6	1.39	.4	.33	8.2	1.63	8.2	1.54	10.5	1.55
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	5.0	.81	.2	.22	4.8	.94	3.2	.59	3.6	.53
FIREMEN	.0	.00	.0	.00	.0	.00	.2	.03	.1	.02
GUARDS,WATCHMEN,DOORKEEPRS	5.0	.81	.2	.22	4.7	.93	3.0	.57	3.3	.50
POLICE,OTH LAW ENFORCE OFF	.0	.01	.0	.00	.0	.01	.0	.00	.1	.02
FOOD SERVICE WORKERS	.2	.03	.0	.04	.1	.03	.0	.01	.6	.09
BARTENDERS	.0	.00	.0	.00	.0	.00	.0.	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.2	.03	.0	.03	.1	.03	.0	.00	.2	.03
COUNTER AND FOUNTAIN WKRS	.0	.00	.0	.00	.0	.00	.0	.01	.2	.03
WAITERS AND WAITRESSES	.0	.00	.0	.01	.0	.00	.0	.00	.2	.03
OTHER SERVICE WORKERS	3.4	.55	.1	.07	3.3	.66	5.0	.93	6.3	.93
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
CHARWOMEN AND CLEANERS	.6	.10	.0	.00	.6	.12	.9	.16	1.6	.24
JANITORS AND SEXTONS	1.8	.30	.0	.01	1.8	.36	3.4	.64	3.1	.47
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	.9	.15	.1	.06	.9	.17	.6	.12	1.5	.23
LABORERS,EXCEPT FARM AND MINE	151.0	24.55	64.3	58.45	86.7	17.16	18.0	3.37	57.0	8.44
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER		STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	180.0	100.00	245.0	100.00	70.0	100.00	45.0	100.00	135.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	14.4	8.00	10.2	4.18	2.9	4.12	2.2	4.92	11.7	8.64
ENGINEERS,TECHNICAL	3.7	2.04	3.4	1.39	.9	1.33	.7	1.58	3.5	2.62
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.02
ENGINEERS,CHEMICAL	.2	.11	.1	.03	.3	.41	.2	.38	.2	.18
ENGINEERS,CIVIL	.1	.05	1.1	.45	.0	.01	.0	.06	.0	.03
ENGINEERS,ELECTRICAL	.3	.14	.3	.12	.0	.00	.1	.15	.1	.07
ENGINEERS,INDUSTRIAL	.8	.45	.4	.16	.1	.17	.1	.20	.5	.39
ENGINEERS,MECHANICAL	.9	.50	.4	.15	.1	.11	.1	.28	.6	.44
ENGINEERS,METALLURG,ETC	.0	.02	.0	.00	.0	.00	.0	.00	.1	.07
ENGINEERS,MINING	.0	.00	.1	.04	.0	.04	.0	.00	.0	.03
OTHER ENGINEERS,TECHNICAL	1.4	.76	1.1	.45	.4	.59	.2	.52	1.9	1.39
NATURAL SCIENTISTS	.5	.28	1.3	.53	.1	.12	.0	.00	.8	.62
CHEMISTS	.5	.28	1.2	.51	.1	.12	.0	.00	.5	.35
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.02	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.0	.00	.0	.00	.0	.00	.0	.00	.1	.04
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.3	.22
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	3.3	1.81	1.9	.76	.5	.78	.7	1.49	3.2	2.36
DRAFTSMEN	.8	.45	.7	.28	.1	.08	.2	.44	.6	.45
SURVEYORS	.0	.00	.1	.05	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	2.4	1.34	1.1	.43	.5	.71	.5	1.05	2.6	1.90
MEDICAL,OTHER HEALTH WORKERS	.2	.09	.0	.01	.0	.01	.0	.02	.2	.15
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.2	.09	.0	.00	.0	.01	.0	.02	.2	.12
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.02
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
TEACHERS	.0	.00	.1	.03	.0	.00	.0	.00	.1	.08
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.0	.00	.1	.03	.0	.00	.0	.00	.1	.08
SOCIAL SCIENTISTS	.2	.11	.0	.01	.0	.00	.0	.00	.1	.05
ECONOMISTS	.0	.02	.0	.01	.0	.00	.0	.00	.0	.02
STATISTICIANS + ACTUARIES	.1	.07	.0	.00	.0	.00	.0	.00	.0	.03
OTHER SOCIAL SCIENTISTS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	6.6	3.66	3.6	1.45	1.3	1.88	.8	1.82	3.7	2.76
ACCOUNTANTS AND AUDITORS	1.6	.91	1.8	.74	.4	.64	.2	.47	1.2	.92
AIRPLANE PILOTS,NAVIGATORS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
ARCHITECTS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.03
WRKRS IN ARTS,ENTERTAINMNT	1.0	.56	.0	.00	.1	.09	.4	.86	.1	.05
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.1	.06	.1	.03	.1	.12	.1	.20	.1	.08
EDITORS AND REPORTERS	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
LAWYERS AND JUDGES	.1	.07	.0	.01	.0	.00	.0	.00	.0	.02
LIBRARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.02
PERSONNEL AND LAB REL WRKS	.6	.33	.2	.09	.2	.25	.0	.05	.4	.27
PHOTOGRAPHERS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.02
SOCIAL AND WELFARE WORKERS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	3.0	1.67	1.4	.58	.5	.78	.1	.23	1.8	1.36
MANAGERS,OFFICIALS,PROPRIETORS	9.4	5.22	32.2	13.15	5.3	7.53	2.3	5.18	8.4	6.21
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.2	.08	.1	.04	.0	.00	.0	.00	.0	.03
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.1	.05	.0	.04	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	.5	.28	1.1	.43	.2	.30	.2	.47	.3	.19
MANAGERS,OFFICE,PROP. NEC	8.8	4.86	30.9	12.62	5.0	7.19	2.1	4.72	8.1	5.99

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER		STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	17.1	9.52	24.6	10.03	6.0	8.52	5.0	11.22	16.7	12.40
STENOS,TYPISTS,SECRETARIES	4.6	2.57	5.2	2.11	1.6	2.34	.9	1.92	4.2	3.12
OFFICE MACHINE OPERATORS	.9	.49	.8	.34	.7	.93	.1	.20	1.3	.96
OTHER CLERICAL,KINDRED WRKRS	11.6	6.46	18.6	7.58	3.7	5.25	4.1	9.10	11.2	8.31
ACCOUNTING CLERKS	.8	.47	1.3	.55	.2	.35	.1	.17	.3	.24
BOOKKEEPERS,HAND	.2	.10	5.2	2.12	.3	.43	.1	.20	1.2	.90
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.2	.08	.1	.03	.0	.01	.0	.03	.0	.01
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	1.8	1.01	.6	.26	.4	.53	1.4	3.21	1.4	1.02
TELEPHONE OPERATORS	.3	.16	.4	.17	.1	.14	.1	.23	.1	.07
CLERICAL AND KINDRED,NEC	8.3	4.63	10.9	4.45	2.7	3.79	2.4	5.26	8.2	6.07
SALES WORKERS	3.4	1.86	11.7	4.78	2.7	3.90	1.0	2.18	5.9	4.37
CRAFTSMEN,FOREMEN AND KINDRED	29.3	16.29	39.5	16.13	8.6	12.27	5.8	12.82	24.7	18.32
CONSTRUCTION CRAFTSMEN	2.6	1.42	7.3	3.00	1.9	2.75	.6	1.27	2.8	2.11
CARPENTERS	.9	.50	1.7	.70	.1	.19	.0	.04	.3	.21
BRICKMASONS AND TILE SETRS	.1	.05	.3	.11	1.1	1.50	.0	.00	.4	.29
CEMENT,CONCRETE FINISHERS	.0	.00	.1	.03	.0	.06	.0	.01	.0	.00
ELECTRICIANS	.8	.43	2.6	1.06	.1	.14	.4	.93	1.3	.93
EXCAVATNG,GRADNG MACH OPER	.0	.02	2.0	.82	.3	.43	.0	.06	.9	.64
PAINTERS AND PAPERHANGERS	.0	.01	.2	.08	.0	.00	.1	.12	.0	.00
PLASTERERS	.0	.00	.0	.00	.1	.15	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	.7	.39	.3	.10	.2	.23	.0	.10	.1	.05
ROOFERS AND SLATERS	.0	.01	.1	.05	.0	.04	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.01	.1	.03	.0	.00	.0	.00	.0	.00
FOREMEN NEC	10.3	5.72	9.4	3.83	3.6	5.18	2.7	5.96	7.5	5.52
METALWKNG CRAFTS EXC MECH	3.3	1.81	1.7	.68	.7	1.06	1.0	2.31	3.6	2.69
MACHINISTS AND RELATED OCC	1.8	1.01	1.0	.40	.2	.24	.7	1.46	1.5	1.10
BLKSMITHS,FORGMN,HAMMERMEN	.0	.01	.0	.01	.0	.00	.0	.00	.0	.02
BOILERMAKERS	.0	.01	.0	.00	.0	.04	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.8	.43	.3	.14	.1	.19	.0	.08	.6	.43
MOLDERS,METAL,EXC COREMKRS	.2	.09	.0	.00	.0	.00	.0	.00	.1	.05
PATTERNMAKERS,METAL,WOOD	.1	.04	.1	.05	.0	.02	.0	.01	.2	.17
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.15
SHEET METAL WORKERS	.1	.07	.1	.04	.0	.01	.0	.06	.1	.06
TOOLMAKERS AND DIEMAKERS	.3	.14	.1	.03	.4	.56	.3	.69	1.0	.71
PRINTING TRADES CRAFTSMEN	.2	.13	.1	.05	.0	.00	.0	.01	.0	.01
COMPOSITORS,TYPESETTERS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.01
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.2	.10	.1	.05	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.0	.02	.0	.01	.0	.07	.0	.00	.0	.00
LINEMEN AND SERVICEMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE ENGINEERS	.0	.02	.0	.00	.0	.07	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	8.3	4.61	15.1	6.15	2.0	2.85	1.2	2.69	6.3	4.67
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.3	.15	1.4	.56	.1	.17	.0	.08	.2	.14
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.1	.06
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	8.0	4.46	13.7	5.59	1.9	2.67	1.2	2.61	6.0	4.46

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER		STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	4.7	2.59	5.9	2.41	.3	.36	.3	.58	4.5	3.32
BAKERS	.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.0	.00	.1	.04	.0	.00	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	1.0	.55	4.0	1.61	.1	.09	.0	.01	1.1	.85
GLAZIERS	1.6	.90	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.03
OPTICIANS,LENS GRINDERS	.2	.10	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.01	.1	.02	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.0	.01	.1	.06	.0	.00	.0	.00	.0	.00
UPHOLSTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
CRAFTSMEN AND KINDRED NEC	1.8	1.00	1.7	.68	.2	.27	.3	.57	3.3	2.42
OPERATIVES AND KINDRED WORKERS	93.4	51.87	101.3	41.34	27.0	38.63	25.5	56.66	59.3	43.92
DRIVERS,OTHER TRAN AND PU OP	3.0	1.64	54.2	22.14	4.9	6.97	.6	1.34	5.3	3.93
DRIVERS,BUS,TRUCK,TRACTOR	2.8	1.54	52.9	21.60	4.8	6.83	.5	1.21	5.0	3.70
DELIVERYMEN AND ROUTEMEN	.1	.05	1.1	.45	.1	.12	.1	.13	.1	.09
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.01	.0	.02	.0	.00	.1	.05
POWER STATION OPERATORS	.1	.05	.1	.02	.0	.00	.0	.00	.1	.05
SAILORS AND DECKHANDS	.0	.00	.1	.06	.0	.00	.0	.00	.1	.04
SEMISKILLED METALWORKING OCC	.9	.48	4.8	1.97	.5	.77	.2	.53	1.3	.94
FURNACEMN,SMELTRMN,POURERS	.2	.08	.0	.00	.0	.03	.1	.18	.5	.40
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.7	.39	4.8	1.97	.5	.73	.2	.35	.7	.54
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.2	.13	.0	.01	.0	.00	.0	.00	.0	.01
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.01	.0	.00	.0	.00	.0	.00	.0	.01
SEWERS AND STICHERS,MFG	.2	.12	.0	.01	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	89.3	49.62	42.2	17.22	21.6	30.89	24.7	54.79	52.7	39.05
ASBESTOS,INSULATION WKRS	.0	.00	.0	.01	.0	.00	.0	.00	.9	.65
ATTEND,AUTO SERVICE,PARKNG	.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
BLASTERS AND POWDERMEN	.0	.00	.2	.09	.2	.22	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.1	.04
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	89.3	49.60	41.9	17.12	21.5	30.67	24.7	54.79	51.8	38.35
SERVICE WORKERS	3.8	2.08	2.5	1.04	1.1	1.60	1.1	2.34	2.0	1.47
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	1.2	.68	.8	.31	.6	.90	.3	.75	.6	.45
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.1	.08
GUARDS,WATCHMEN,DOORKEEPRS	1.2	.68	.8	.31	.6	.90	.3	.75	.4	.29
POLICE,OTH LAW ENFORCE OFF	.0	.00	.0	.00	.0	.00	.0	.00	.1	.08
FOOD SERVICE WORKERS	.3	.17	.1	.03	.1	.09	.0	.02	.2	.12
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.0	.02	.1	.03	.0	.03	.0	.02	.1	.05
COUNTER AND FOUNTAIN WKRS	.1	.06	.0	.00	.0	.06	.0	.00	.1	.06
WAITERS AND WAITRESSES	.1	.08	.0	.00	.0	.00	.0	.00	.0	.02
OTHER SERVICE WORKERS	2.2	1.24	1.7	.70	.4	.61	.7	1.58	1.2	.89
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	.3	.18	.6	.24	.2	.23	.2	.50	.3	.22
JANITORS AND SEXTONS	1.1	.62	.6	.26	.2	.35	.4	.88	.7	.55
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	.8	.43	.5	.20	.0	.03	.1	.19	.2	.13
LABORERS,EXCEPT FARM AND MINE	9.3	5.15	22.9	9.35	16.4	23.44	2.1	4.69	6.3	4.67
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS		OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	1,310.0	100.00	585.0	100.00	355.0	100.00	370.0	100.00	1,830.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	94.7	7.23	42.7	7.29	21.1	5.95	30.9	8.36	228.3	12.48
ENGINEERS,TECHNICAL	39.4	3.01	17.2	2.94	9.6	2.71	12.6	3.41	97.2	5.31
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.01	3.9	.21
ENGINEERS,CHEMICAL	.8	.06	.3	.05	.2	.06	.3	.08	2.4	.13
ENGINEERS,CIVIL	1.3	.10	.7	.12	.2	.07	.4	.10	3.9	.21
ENGINEERS,ELECTRICAL	2.2	.17	.8	.14	.4	.12	1.0	.26	12.7	.69
ENGINEERS,INDUSTRIAL	10.9	.83	5.8	.99	2.7	.75	2.4	.66	17.2	.94
ENGINEERS,MECHANICAL	6.1	.46	2.4	.42	1.3	.36	2.4	.64	35.2	1.92
ENGINEERS,METALLURG,ETC	12.9	.98	6.1	1.05	2.8	.79	4.0	1.07	5.8	.32
ENGINEERS,MINING	.1	.01	.0	.01	.0	.01	.0	.01	.0	.00
OTHER ENGINEERS,TECHNICAL	5.0	.39	1.0	.16	2.0	.55	2.1	.58	16.2	.88
NATURAL SCIENTISTS	5.1	.39	2.5	.43	.7	.20	1.8	.50	11.1	.61
CHEMISTS	3.7	.28	1.7	.29	.7	.19	1.3	.36	2.9	.16
AGRICULTURAL SCIENTISTS	.1	.01	.1	.02	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.5	.03
GEOLOGISTS,GEOPHYSICISTS	.3	.03	.1	.01	.0	.00	.3	.07	.0	.00
MATHEMATICIANS	.4	.03	.3	.06	.0	.01	.0	.01	3.6	.20
PHYSICISTS	.4	.03	.2	.03	.0	.00	.2	.05	3.4	.19
OTHER NATURAL SCIENTISTS	.1	.01	.1	.02	.0	.00	.0	.00	.7	.04
TECHNICIANS,EXC MEDICAL,DENT	22.8	1.74	10.4	1.78	5.1	1.44	7.3	1.98	56.7	3.10
DRAFTSMEN	5.1	.39	2.1	.35	1.3	.38	1.8	.47	35.2	1.93
SURVEYORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
TECHNICIANS,OTHER	17.7	1.35	8.3	1.43	3.8	1.06	5.6	1.50	21.3	1.16
MEDICAL,OTHER HEALTH WORKERS	1.8	.14	.7	.12	.6	.18	.4	.12	2.1	.11
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	1.2	.09	.5	.08	.3	.10	.4	.10	1.6	.09
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.3	.02	.2	.03	.1	.02	.0	.01	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
TECHNICIANS,MEDICAL,DENTAL	.3	.02	.1	.01	.2	.06	.0	.01	.4	.02
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.2	.02	.2	.04	.0	.00	.0	.00	.5	.03
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.2	.02	.2	.04	.0	.00	.0	.00	.5	.03
SOCIAL SCIENTISTS	1.3	.10	.6	.10	.3	.08	.4	.11	1.4	.08
ECONOMISTS	.2	.02	.2	.04	.0	.00	.0	.00	.4	.02
STATISTICIANS + ACTUARIES	.9	.07	.3	.05	.2	.07	.3	.09	1.0	.06
OTHER SOCIAL SCIENTISTS	.2	.01	.1	.01	.0	.01	.0	.01	.0	.00
OTHER PROF,TECH AND KINDRED	24.2	1.84	11.0	1.88	4.8	1.35	8.3	2.26	59.2	3.24
ACCOUNTANTS AND AUDITORS	10.2	.78	4.9	.83	1.7	.48	3.6	.98	12.3	.67
AIRPLANE PILOTS,NAVIGATORS	.1	.01	.1	.01	.0	.00	.1	.02	.4	.02
ARCHITECTS	.1	.01	.0	.00	.0	.00	.1	.02	.2	.01
WRKRS IN ARTS,ENTERTAINMNT	.6	.04	.4	.06	.1	.02	.1	.04	5.1	.28
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.8	.06	.4	.07	.3	.09	.2	.04	4.7	.25
EDITORS AND REPORTERS	.2	.01	.1	.01	.1	.02	.0	.01	.7	.04
LAWYERS AND JUDGES	.3	.02	.2	.04	.0	.00	.1	.02	.4	.02
LIBRARIANS	.1	.01	.1	.02	.0	.00	.0	.00	.4	.02
PERSONNEL AND LAB REL WRKS	3.7	.28	1.1	.19	1.2	.34	1.4	.38	7.0	.38
PHOTOGRAPHERS	.4	.03	.2	.04	.0	.01	.1	.03	.6	.03
SOCIAL AND WELFARE WORKERS	.1	.00	.0	.00	.0	.01	.0	.01	.0	.00
PROF,TECH,KINDRED,NEC	7.5	.58	3.6	.61	1.4	.38	2.6	.71	27.4	1.50
MANAGERS,OFFICIALS,PROPRIETORS	44.6	3.41	12.9	2.21	13.3	3.75	18.4	4.97	133.7	7.31
CONDUCTORS,RAILROAD	.3	.02	.3	.04	.0	.00	.0	.01	.0	.00
CREDITMEN	.3	.02	.1	.02	.0	.01	.1	.03	.4	.02
OFFICERS,PILOTS,ENGRS,SHIP	.2	.01	.2	.03	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	3.4	.26	1.1	.19	1.0	.27	1.3	.36	11.8	.64
MANAGERS,OFFICE,PROP. NEC	40.5	3.09	11.2	1.92	12.3	3.47	16.9	4.57	121.6	6.64

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS		OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	135.8	10.36	63.3	10.82	32.9	9.27	39.6	10.69	240.0	13.12
STENOS,TYPISTS,SECRETARIES	32.4	2.47	11.2	1.91	8.3	2.34	12.9	3.48	69.6	3.81
OFFICE MACHINE OPERATORS	7.9	.60	3.1	.52	1.6	.45	3.2	.87	13.2	.72
OTHER CLERICAL,KINDRED WRKRS	95.5	7.29	49.1	8.39	23.0	6.47	23.5	6.34	157.2	8.59
ACCOUNTING CLERKS	4.5	.34	1.8	.30	1.7	.48	1.1	.29	7.8	.43
BOOKKEEPERS,HAND	.4	.03	.0	.00	.0	.00	.4	.09	5.5	.30
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.4	.03	.2	.04	.1	.03	.1	.03	.7	.04
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	12.3	.94	3.9	.67	3.8	1.07	4.6	1.25	22.5	1.23
TELEPHONE OPERATORS	1.8	.14	.5	.08	.7	.19	.7	.18	3.1	.17
CLERICAL AND KINDRED,NEC	76.1	5.81	42.7	7.30	16.7	4.71	16.7	4.51	117.5	6.42
SALES WORKERS	23.8	1.82	7.1	1.21	5.7	1.59	11.1	3.00	43.1	2.35
CRAFTSMEN,FOREMEN AND KINDRED	415.1	31.68	203.9	34.86	121.4	34.21	89.7	24.25	431.2	23.57
CONSTRUCTION CRAFTSMEN	52.8	4.03	31.8	5.43	9.1	2.55	12.0	3.23	35.6	1.95
CARPENTERS	5.4	.41	3.2	.54	.7	.21	1.5	.40	4.2	.23
BRICKMASONS AND TILE SETRS	7.6	.58	5.5	.93	1.1	.31	1.1	.30	.5	.03
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	21.0	1.60	11.6	1.98	4.2	1.19	5.2	1.40	8.6	.47
EXCAVATNG,GRADNG MACH OPER	1.5	.12	.9	.16	.4	.10	.3	.07	.3	.01
PAINTERS AND PAPERHANGERS	1.7	.13	1.3	.23	.3	.07	.1	.02	7.4	.40
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
PLUMBERS AND PIPEFITTERS	13.0	1.00	7.7	1.31	1.7	.48	3.6	.99	6.1	.33
ROOFERS AND SLATERS	.1	.00	.1	.01	.0	.00	.0	.00	.2	.01
STRUCTURAL METALWORKERS	2.4	.19	1.6	.27	.7	.19	.2	.04	8.3	.45
FOREMEN NEC	79.6	6.07	34.7	5.93	21.5	6.06	23.4	6.32	93.9	5.13
METALWKNG CRAFTS EXC MECH	134.2	10.25	46.3	7.92	58.3	16.41	29.6	8.01	188.8	10.32
MACHINISTS AND RELATED OCC	23.6	1.80	7.4	1.26	7.9	2.22	8.3	2.25	80.4	4.39
BLKSMITHS,FORGMN,HAMMERMEN	6.7	.51	1.4	.23	4.5	1.27	.8	.22	2.6	.14
BOILERMAKERS	1.9	.14	1.5	.25	.3	.07	.2	.05	4.4	.24
HEAT TREATERS,ANNEALERS	8.7	.66	2.4	.40	4.6	1.30	1.7	.46	2.5	.14
MILLWRIGHTS	21.6	1.65	12.5	2.14	5.0	1.40	4.1	1.12	5.9	.32
MOLDERS,METAL,EXC COREMKRS	30.1	2.29	1.3	.23	23.4	6.59	5.4	1.45	7.7	.42
PATTERNMAKERS,METAL,WOOD	4.0	.31	.2	.03	3.2	.90	.6	.17	3.5	.19
ROLLERS AND ROLL HANDS	24.4	1.86	18.1	3.09	4.3	1.22	2.0	.55	7.3	.40
SHEET METAL WORKERS	1.8	.14	.7	.11	.5	.13	.7	.18	32.4	1.77
TOOLMAKERS AND DIEMAKERS	11.4	.87	1.0	.17	4.7	1.31	5.8	1.57	42.1	2.30
PRINTING TRADES CRAFTSMEN	.4	.03	.2	.03	.1	.04	.1	.03	3.2	.17
COMPOSITORS,TYPESETTERS	.3	.02	.1	.01	.1	.04	.1	.02	.6	.03
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.1	.01	.0	.00	.0	.00	.1	.02	.8	.04
PHOTOENGRVRS,LITHOGRAPHERS	.1	.00	.1	.01	.0	.00	.0	.00	.9	.05
PRESSMEN,PLATE PRINTERS	.1	.00	.1	.01	.0	.00	.0	.00	.8	.05
TRANSPORT AND PUB UTIL CRAFT	2.4	.18	2.0	.34	.3	.08	.1	.02	.2	.01
LINEMEN AND SERVICEMEN	.3	.02	.1	.01	.1	.03	.1	.02	.0	.00
LOCOMOTIVE ENGINEERS	2.1	.16	1.9	.32	.2	.05	.0	.00	.2	.01
LOCOMOTIVE FIREMEN	.1	.00	.1	.01	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	58.0	4.43	31.6	5.40	14.2	4.01	12.2	3.31	66.9	3.66
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.01	1.3	.07
MOTOR VEHICLE MECHANICS	1.2	.09	.8	.13	.3	.08	.2	.06	1.2	.07
OFFICE MACHINE MECHANICS	.3	.02	.2	.03	.0	.00	.1	.03	.5	.03
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	1.7	.09
RR AND CAR SHOP MECHANICS	.7	.06	.7	.11	.0	.01	.0	.01	.0	.00
OTHER MECHANICS AND REPAIR	55.7	4.25	30.0	5.13	13.9	3.92	11.8	3.19	62.3	3.40

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS		OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	87.6	6.69	57.4	9.81	17.9	5.05	12.3	3.32	42.8	2.34
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.1	.01	.1	.01	.0	.01	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	56.6	4.32	37.6	6.43	12.0	3.39	7.0	1.89	12.9	.70
GLAZIERS	.1	.01	.1	.01	.0	.00	.0	.00	1.5	.08
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.3	.02
LOOM FIXERS	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	7.9	.61	6.9	1.18	.9	.25	.1	.04	.5	.03
UPHOLSTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.4	.02
CRAFTSMEN AND KINDRED NEC	22.8	1.74	12.7	2.18	4.9	1.39	5.2	1.39	27.0	1.48
OPERATIVES AND KINDRED WORKERS	440.2	33.60	158.4	27.07	127.4	35.88	154.5	41.74	668.5	36.53
DRIVERS,OTHER TRAN AND PU OP	26.9	2.05	14.0	2.40	7.0	1.99	5.8	1.56	22.4	1.23
DRIVERS,BUS,TRUCK,TRACTOR	19.9	1.52	8.9	1.52	6.0	1.68	5.0	1.35	21.2	1.16
DELIVERYMEN AND ROUTEMEN	1.6	.12	.7	.12	.5	.15	.4	.11	1.3	.07
BRAKEMEN AND SWITCHMEN RR	4.4	.33	3.8	.65	.4	.11	.2	.05	.0	.00
POWER STATION OPERATORS	.9	.07	.5	.09	.2	.05	.2	.06	.0	.00
SAILORS AND DECKHANDS	.1	.00	.1	.01	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	112.5	8.59	46.1	7.88	35.0	9.87	31.3	8.47	277.6	15.17
FURNACEMN,SMELTRMN,POURERS	41.4	3.16	21.4	3.67	8.7	2.45	11.2	3.03	5.9	.32
HEATERS,METAL	7.2	.55	4.1	.70	2.6	.74	.4	.12	.4	.02
WELDERS AND FLAME-CUTTERS	34.5	2.64	17.3	2.96	11.8	3.33	5.4	1.47	94.3	5.15
ASSEMBLERS,MTLWRK,CLASS A	1.1	.08	.1	.02	.4	.10	.6	.17	13.4	.73
ASSEMBLERS,MTLWRK,CLASS B	4.8	.36	.7	.11	1.5	.43	2.6	.70	48.2	2.64
INSPECTORS,MTLWRK,CLASS B	14.9	1.14	2.5	.43	5.4	1.52	7.0	1.89	37.2	2.04
MACHINE TOOL OPER,CLASS B	8.0	.61	.0	.00	4.6	1.31	3.4	.92	55.9	3.06
ELECTROPLATERS	.2	.02	.0	.00	.0	.00	.2	.07	8.9	.49
ELECTROPLATERS HELPERS	.4	.03	.0	.00	.0	.00	.4	.10	13.3	.73
SEMISKILLED TEXTILE OCCUP	.1	.01	.0	.00	.1	.03	.0	.00	.2	.01
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.1	.01	.0	.00	.1	.02	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.01	.0	.00	.2	.01
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	300.8	22.96	98.2	16.79	85.2	23.99	117.3	31.71	368.2	20.12
ASBESTOS,INSULATION WKRS	.1	.01	.1	.02	.0	.00	.0	.00	.5	.03
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.00	.0	.00	.0	.00	.3	.02
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	300.5	22.94	98.1	16.78	85.1	23.97	117.3	31.70	367.3	20.07
SERVICE WORKERS	24.2	1.85	11.9	2.04	6.4	1.80	5.9	1.60	26.5	1.45
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	11.2	.86	5.1	.88	3.1	.86	3.0	.82	10.6	.58
FIREMEN	.3	.02	.2	.03	.0	.01	.0	.01	.9	.05
GUARDS,WATCHMEN,DOORKEEPRS	10.6	.81	4.8	.82	2.9	.83	2.9	.79	9.0	.49
POLICE,OTH LAW ENFORCE OFF	.3	.03	.2	.03	.1	.02	.1	.02	.7	.04
FOOD SERVICE WORKERS	1.1	.09	.7	.11	.3	.09	.2	.05	1.7	.09
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.3	.03	.2	.03	.1	.03	.1	.02	.8	.04
COUNTER AND FOUNTAIN WKRS	.4	.03	.2	.04	.1	.02	.1	.02	.7	.04
WAITERS AND WAITRESSES	.4	.03	.3	.05	.1	.04	.0	.01	.2	.01
OTHER SERVICE WORKERS	11.9	.91	6.1	1.05	3.0	.85	2.7	.73	14.2	.78
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.1	.01	.1	.01	.0	.00	.0	.01	.0	.00
CHARWOMEN AND CLEANERS	1.2	.09	.1	.02	.8	.23	.3	.09	2.7	.15
JANITORS AND SEXTONS	4.2	.32	.7	.13	1.7	.48	1.8	.47	7.2	.39
NURSES,PRACTICAL	.1	.01	.0	.00	.0	.00	.0	.01	.1	.00
SERVICE WORKERS,NEC	6.3	.48	5.2	.89	.5	.15	.5	.15	4.3	.24
LABORERS,EXCEPT FARM AND MINE	131.3	10.04	84.8	14.50	26.8	7.55	19.9	5.38	58.6	3.20
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT		OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	2,110.0	100.00	160.0	100.00	275.0	100.00	1,675.0	100.00	2,035.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	309.1	14.65	18.2	11.40	79.2	28.81	211.6	12.63	489.5	24.05
ENGINEERS,TECHNICAL	120.1	5.69	8.0	5.01	29.7	10.82	82.3	4.91	210.5	10.34
ENGINEERS,AERONAUTICAL	.2	.01	.0	.00	.0	.00	.2	.01	.7	.03
ENGINEERS,CHEMICAL	.8	.04	.0	.00	.4	.13	.4	.03	3.9	.19
ENGINEERS,CIVIL	.5	.03	.1	.05	.0	.00	.5	.03	1.1	.06
ENGINEERS,ELECTRICAL	15.3	.73	.2	.11	11.5	4.19	3.6	.22	122.2	6.00
ENGINEERS,INDUSTRIAL	18.4	.87	1.4	.91	4.5	1.65	12.4	.74	27.4	1.35
ENGINEERS,MECHANICAL	49.3	2.34	4.5	2.80	6.3	2.28	38.6	2.30	26.0	1.28
ENGINEERS,METALLURG,ETC	2.1	.10	.5	.30	.3	.12	1.3	.08	3.0	.15
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
OTHER ENGINEERS,TECHNICAL	33.5	1.59	1.4	.85	6.7	2.44	25.4	1.52	25.9	1.27
NATURAL SCIENTISTS	8.5	.40	.9	.55	5.1	1.87	2.5	.15	14.4	.71
CHEMISTS	2.0	.09	.1	.04	1.0	.38	.9	.05	4.3	.21
AGRICULTURAL SCIENTISTS	.1	.00	.1	.06	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.1	.00	.0	.00	.0	.00	.1	.01	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.1	.00	.0	.00	.0	.00	.1	.01	.2	.01
MATHEMATICIANS	3.5	.17	.0	.02	2.9	1.05	.6	.04	3.8	.19
PHYSICISTS	1.9	.09	.4	.25	1.0	.36	.5	.03	5.5	.27
OTHER NATURAL SCIENTISTS	.8	.04	.3	.17	.2	.08	.3	.02	.6	.03
TECHNICIANS,EXC MEDICAL,DENT	98.3	4.66	3.3	2.08	26.1	9.50	68.9	4.11	170.0	8.35
DRAFTSMEN	47.6	2.26	1.9	1.17	6.5	2.35	39.3	2.35	40.3	1.98
SURVEYORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.4	.02
TECHNICIANS,OTHER	50.7	2.40	1.5	.92	19.6	7.15	29.6	1.77	129.3	6.35
MEDICAL,OTHER HEALTH WORKERS	2.7	.13	.2	.12	.4	.15	2.1	.13	2.4	.12
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.2	.01	.0	.01	.0	.00	.2	.01	.2	.01
NURSES,PROFESSIONAL	1.9	.09	.1	.08	.2	.08	1.6	.10	1.7	.08
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.2	.01	.1	.03	.0	.00	.2	.01	.2	.01
PSYCHOLOGISTS	.1	.01	.0	.00	.1	.05	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.2	.01	.0	.00	.1	.02	.2	.01	.2	.01
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.4	.02	.0	.03	.4	.13	.0	.00	1.1	.05
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.4	.02	.0	.03	.4	.13	.0	.00	1.1	.05
SOCIAL SCIENTISTS	1.1	.05	.0	.03	.4	.15	.7	.04	2.2	.11
ECONOMISTS	.7	.03	.0	.03	.1	.04	.5	.03	1.5	.07
STATISTICIANS + ACTUARIES	.5	.02	.0	.00	.3	.11	.2	.01	.8	.04
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	77.9	3.69	5.7	3.58	17.1	6.20	55.1	3.29	89.0	4.38
ACCOUNTANTS AND AUDITORS	18.7	.89	1.7	1.04	2.7	.97	14.4	.86	17.7	.87
AIRPLANE PILOTS,NAVIGATORS	.6	.03	.0	.00	.1	.03	.5	.03	.4	.02
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	3.9	.19	.3	.20	1.1	.40	2.5	.15	4.6	.23
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	5.9	.28	.6	.35	2.6	.96	2.7	.16	8.1	.40
EDITORS AND REPORTERS	1.3	.06	.2	.12	.4	.15	.7	.04	1.8	.09
LAWYERS AND JUDGES	.4	.02	.0	.00	.1	.04	.3	.02	1.1	.05
LIBRARIANS	.5	.02	.0	.00	.1	.04	.4	.02	1.1	.05
PERSONNEL AND LAB REL WRKS	5.3	.25	.4	.25	.8	.31	4.1	.24	6.4	.31
PHOTOGRAPHERS	1.1	.05	.0	.03	.2	.07	.8	.05	1.3	.07
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	40.3	1.91	2.5	1.58	8.9	3.23	28.9	1.72	46.6	2.29
MANAGERS,OFFICIALS,PROPRIETORS	166.3	7.88	11.1	6.92	20.4	7.41	134.9	8.05	83.6	4.11
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	1.7	.08	.3	.19	.0	.01	1.4	.08	1.3	.06
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	13.2	.63	1.1	.69	1.6	.57	10.6	.63	14.5	.71
MANAGERS,OFFICE,PROP. NEC	151.3	7.17	9.7	6.04	18.8	6.83	122.9	7.34	67.9	3.33

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT		OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	265.1	12.57	20.8	13.02	39.3	14.29	205.0	12.24	247.1	12.14
STENOS,TYPISTS,SECRETARIES	82.8	3.93	6.6	4.12	15.1	5.50	61.1	3.65	98.8	4.86
OFFICE MACHINE OPERATORS	19.0	.90	1.8	1.12	2.2	.79	15.0	.90	24.0	1.18
OTHER CLERICAL,KINDRED WRKRS	163.4	7.74	12.4	7.78	22.0	8.00	128.9	7.70	124.2	6.10
ACCOUNTING CLERKS	7.6	.36	.5	.28	.8	.28	6.3	.38	9.9	.48
BOOKKEEPERS,HAND	7.5	.36	.8	.50	.6	.21	6.1	.37	5.7	.28
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.4	.02	.0	.03	.2	.06	.2	.01	.9	.05
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	19.8	.94	2.2	1.37	1.3	.48	16.3	.97	15.6	.77
TELEPHONE OPERATORS	2.6	.12	.2	.14	.3	.10	2.1	.13	2.7	.13
CLERICAL AND KINDRED,NEC	125.6	5.95	8.7	5.47	18.9	6.88	97.9	5.85	89.4	4.39
SALES WORKERS	49.3	2.34	4.4	2.77	9.9	3.61	34.9	2.09	34.2	1.68
CRAFTSMEN,FOREMEN AND KINDRED	530.6	25.14	34.7	21.67	41.4	15.04	454.5	27.14	345.0	16.95
CONSTRUCTION CRAFTSMEN	20.6	.98	1.6	1.03	1.0	.38	17.9	1.07	17.7	.87
CARPENTERS	2.5	.12	.2	.14	.2	.08	2.0	.12	2.4	.12
BRICKMASONS AND TILE SETRS	.6	.03	.1	.09	.0	.00	.5	.03	.4	.02
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
ELECTRICIANS	10.6	.50	.8	.51	.5	.16	9.3	.56	11.5	.57
EXCAVATNG,GRADNG MACH OPER	.1	.01	.1	.07	.0	.00	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	.8	.04	.1	.06	.0	.02	.7	.04	.6	.03
PLASTERERS	.2	.01	.0	.00	.0	.00	.2	.01	.0	.00
PLUMBERS AND PIPEFITTERS	5.0	.24	.2	.13	.3	.12	4.5	.27	1.8	.09
ROOFERS AND SLATERS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.7	.04	.0	.00	.0	.00	.7	.04	.9	.04
FOREMEN NEC	95.4	4.52	8.4	5.23	6.7	2.45	80.3	4.79	93.7	4.60
METALWKNG CRAFTS EXC MECH	286.2	13.56	14.9	9.30	15.4	5.59	255.9	15.28	108.8	5.35
MACHINISTS AND RELATED OCC	167.4	7.93	8.7	5.43	7.1	2.57	151.6	9.05	52.8	2.59
BLKSMITHS,FORGMN,HAMMERMEN	2.2	.10	.4	.24	.0	.00	1.8	.11	.4	.02
BOILERMAKERS	.3	.02	.0	.00	.0	.00	.3	.02	.2	.01
HEAT TREATERS,ANNEALERS	6.1	.29	.4	.23	.2	.06	5.6	.33	.8	.04
MILLWRIGHTS	4.7	.22	.4	.24	.1	.04	4.3	.25	3.3	.16
MOLDERS,METAL,EXC COREMKRS	10.2	.49	1.2	.74	.1	.04	8.9	.53	4.8	.24
PATTERNMAKERS,METAL,WOOD	6.3	.30	1.0	.62	1.5	.53	3.9	.23	8.0	.40
ROLLERS AND ROLL HANDS	.8	.04	.0	.01	.2	.08	.5	.03	.6	.03
SHEET METAL WORKERS	10.4	.49	.6	.35	.1	.05	9.7	.58	13.2	.65
TOOLMAKERS AND DIEMAKERS	77.8	3.69	2.3	1.45	6.1	2.21	69.4	4.14	24.5	1.20
PRINTING TRADES CRAFTSMEN	2.4	.11	.1	.06	.5	.17	1.8	.11	2.5	.12
COMPOSITORS,TYPESETTERS	.6	.03	.0	.01	.2	.07	.4	.02	1.2	.06
ELECTROTYPERS,STEREOTYPERS	.2	.01	.0	.00	.0	.00	.2	.01	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.7	.03	.0	.00	.1	.05	.6	.04	.5	.03
PHOTOENGRVRS,LITHOGRAPHERS	.5	.02	.0	.02	.1	.04	.3	.02	.2	.01
PRESSMEN,PLATE PRINTERS	.4	.02	.1	.04	.1	.02	.3	.02	.6	.03
TRANSPORT AND PUB UTIL CRAFT	.5	.02	.1	.05	.1	.02	.4	.02	12.9	.64
LINEMEN AND SERVICEMEN	.3	.02	.1	.05	.1	.02	.2	.01	12.9	.64
LOCOMOTIVE ENGINEERS	.2	.01	.0	.00	.0	.00	.2	.01	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	75.9	3.60	7.0	4.37	13.5	4.92	55.4	3.31	74.7	3.67
AIRPLANE MECH AND REPAIRMN	.5	.02	.0	.00	.0	.00	.5	.03	1.2	.06
MOTOR VEHICLE MECHANICS	2.6	.12	1.2	.78	.1	.03	1.3	.08	.3	.02
OFFICE MACHINE MECHANICS	7.7	.36	.1	.03	7.6	2.77	.0	.00	.7	.03
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	6.0	.30
RR AND CAR SHOP MECHANICS	.1	.01	.0	.00	.0	.00	.1	.01	.0	.00
OTHER MECHANICS AND REPAIR	65.0	3.08	5.7	3.56	5.8	2.12	53.5	3.19	66.4	3.26

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT		OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	49.5	2.35	2.6	1.63	4.1	1.50	42.8	2.55	34.8	1.71
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.1	.00	.0	.00	.1	.04	.0	.00	.4	.02
CRANE,DERRICK,HOIST MEN	8.9	.42	.4	.24	.0	.00	8.6	.51	1.1	.05
GLAZIERS	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.2	.01	.0	.00	.0	.01	.2	.01	.2	.01
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.2	.01	.1	.04	.0	.01	.2	.01	.4	.02
UPHOLSTERERS	1.1	.05	.0	.00	.0	.00	1.1	.07	.0	.00
CRAFTSMEN AND KINDRED NEC	38.9	1.84	2.2	1.36	4.0	1.44	32.8	1.96	32.6	1.60
OPERATIVES AND KINDRED WORKERS	724.6	34.34	63.8	39.86	81.7	29.72	579.2	34.58	779.7	38.32
DRIVERS,OTHER TRAN AND PU OP	14.3	.68	3.1	1.92	.4	.16	10.8	.65	8.7	.43
DRIVERS,BUS,TRUCK,TRACTOR	11.5	.55	2.7	1.66	.4	.13	8.5	.51	7.5	.37
DELIVERYMEN AND ROUTEMEN	2.4	.11	.4	.23	.1	.03	2.0	.12	1.2	.06
BRAKEMEN AND SWITCHMEN RR	.2	.01	.0	.00	.0	.00	.2	.01	.0	.00
POWER STATION OPERATORS	.2	.01	.0	.03	.0	.00	.2	.01	.0	.00
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	361.3	17.12	27.4	17.11	46.7	17.00	287.2	17.15	350.0	17.20
FURNACEMN,SMELTRMN,POURERS	3.5	.17	.3	.18	.1	.04	3.1	.19	1.5	.07
HEATERS,METAL	.4	.02	.0	.01	.0	.00	.4	.02	.0	.00
WELDERS AND FLAME-CUTTERS	94.6	4.48	11.4	7.14	1.2	.43	82.0	4.89	35.2	1.73
ASSEMBLERS,MTLWRK,CLASS A	48.0	2.27	1.3	.79	3.9	1.42	42.8	2.56	40.4	1.98
ASSEMBLERS,MTLWRK,CLASS B	103.4	4.90	5.5	3.46	30.7	11.17	67.1	4.01	178.2	8.75
INSPECTORS,MTLWRK,CLASS B	26.4	1.25	2.4	1.48	4.8	1.73	19.3	1.15	60.8	2.99
MACHINE TOOL OPER,CLASS B	83.6	3.96	6.5	4.06	5.7	2.05	71.5	4.27	27.8	1.37
ELECTROPLATERS	.5	.02	.0	.00	.2	.05	.4	.02	2.4	.12
ELECTROPLATERS HELPERS	1.0	.05	.0	.00	.3	.09	.7	.04	3.8	.18
SEMISKILLED TEXTILE OCCUP	.3	.01	.1	.05	.0	.00	.2	.01	1.1	.05
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.2	.01	.0	.00	.0	.00	.2	.01	.0	.00
SEWERS AND STICHERS,MFG	.1	.00	.1	.05	.0	.00	.0	.00	1.1	.05
OTHER OPERATIVES AND KINDRED	348.7	16.53	33.2	20.78	34.5	12.56	280.9	16.77	420.0	20.64
ASBESTOS,INSULATION WKRS	.1	.00	.0	.00	.1	.02	.0	.00	1.1	.06
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.02	.0	.00	.0	.00	.5	.03
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.02	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	348.6	16.52	33.2	20.74	34.5	12.54	280.9	16.77	418.4	20.56
SERVICE WORKERS	26.9	1.28	2.3	1.41	2.5	.89	22.2	1.33	30.1	1.48
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	7.7	.36	.8	.51	.5	.17	6.4	.38	8.2	.40
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
GUARDS,WATCHMEN,DOORKEEPRS	7.6	.36	.7	.47	.4	.14	6.4	.38	7.7	.38
POLICE,OTH LAW ENFORCE OFF	.1	.01	.1	.04	.1	.02	.0	.00	.3	.02
FOOD SERVICE WORKERS	1.3	.06	.0	.03	.4	.16	.8	.05	1.6	.08
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.4	.02	.0	.01	.1	.03	.3	.02	.5	.02
COUNTER AND FOUNTAIN WKRS	.6	.03	.0	.01	.3	.12	.3	.02	1.0	.05
WAITERS AND WAITRESSES	.4	.02	.0	.01	.0	.02	.3	.02	.2	.01
OTHER SERVICE WORKERS	17.9	.85	1.4	.88	1.5	.56	14.9	.89	20.2	.99
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.1	.01	.0	.00	.0	.00	.1	.01	.0	.00
CHARWOMEN AND CLEANERS	3.4	.16	.1	.08	.1	.04	3.2	.19	1.7	.08
JANITORS AND SEXTONS	9.2	.43	1.1	.70	1.0	.37	7.0	.42	6.8	.34
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	5.1	.24	.1	.09	.4	.15	4.6	.27	11.7	.57
LABORERS,EXCEPT FARM AND MINE	38.1	1.80	4.7	2.95	.6	.23	32.7	1.95	25.8	1.27
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT		AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	1,840.0	100.00	805.0	100.00	595.0	100.00	315.0	100.00	125.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	282.3	15.34	73.9	9.18	166.9	28.04	32.6	10.36	8.9	7.16
ENGINEERS,TECHNICAL	132.2	7.18	27.2	3.38	90.8	15.25	10.9	3.47	3.3	2.64
ENGINEERS,AERONAUTICAL	39.2	2.13	.1	.01	38.9	6.54	.2	.05	.1	.04
ENGINEERS,CHEMICAL	1.5	.08	.2	.03	1.2	.21	.1	.02	.0	.00
ENGINEERS,CIVIL	4.1	.22	.2	.03	3.3	.56	.4	.14	.0	.04
ENGINEERS,ELECTRICAL	16.7	.91	1.2	.15	13.6	2.29	1.5	.47	.4	.30
ENGINEERS,INDUSTRIAL	20.7	1.13	5.7	.71	12.8	2.16	1.6	.50	.6	.48
ENGINEERS,MECHANICAL	37.7	2.05	14.2	1.76	16.2	2.73	5.9	1.86	1.4	1.14
ENGINEERS,METALLURG,ETC	2.7	.15	.8	.10	1.7	.29	.1	.04	.0	.02
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	9.6	.52	4.7	.58	2.8	.48	1.2	.39	.8	.62
NATURAL SCIENTISTS	9.4	.51	1.6	.20	7.3	1.23	.4	.13	.0	.01
CHEMISTS	2.5	.14	.8	.10	1.6	.27	.1	.03	.0	.01
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.1	.01	.0	.00	.1	.02	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.2	.01	.0	.00	.2	.04	.0	.00	.0	.00
MATHEMATICIANS	4.1	.22	.5	.06	3.5	.59	.1	.04	.0	.00
PHYSICISTS	1.9	.10	.3	.04	1.5	.25	.1	.04	.0	.00
OTHER NATURAL SCIENTISTS	.5	.03	.0	.00	.4	.07	.1	.02	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	61.7	3.35	17.7	2.20	30.8	5.17	10.4	3.30	2.8	2.25
DRAFTSMEN	21.5	1.17	6.9	.85	7.5	1.26	4.7	1.49	2.4	1.94
SURVEYORS	.1	.01	.0	.00	.1	.01	.0	.01	.0	.02
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.1	.01	.0	.00	.1	.01	.1	.03	.0	.00
TECHNICIANS,OTHER	39.9	2.17	10.9	1.35	23.2	3.89	5.6	1.77	.4	.29
MEDICAL,OTHER HEALTH WORKERS	1.8	.10	.7	.09	.7	.12	.3	.09	.1	.10
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.02
NURSES,PROFESSIONAL	1.1	.06	.5	.06	.4	.07	.2	.05	.1	.06
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.3	.02	.2	.02	.1	.02	.0	.01	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.2	.01	.0	.00	.1	.02	.1	.03	.0	.02
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.6	.03	.1	.01	.2	.03	.4	.12	.0	.00
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.6	.03	.1	.01	.2	.03	.4	.12	.0	.00
SOCIAL SCIENTISTS	1.8	.10	.7	.09	1.0	.17	.1	.02	.0	.00
ECONOMISTS	.5	.02	.3	.04	.1	.02	.0	.01	.0	.00
STATISTICIANS + ACTUARIES	1.3	.07	.4	.05	.9	.15	.0	.01	.0	.00
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	74.9	4.07	25.8	3.21	36.1	6.07	10.2	3.24	2.7	2.16
ACCOUNTANTS AND AUDITORS	14.8	.81	7.4	.92	5.4	.90	1.1	.34	1.0	.78
AIRPLANE PILOTS,NAVIGATORS	.9	.05	.1	.01	.8	.13	.0	.00	.0	.02
ARCHITECTS	.5	.03	.0	.00	.0	.00	.5	.15	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	9.2	.50	1.9	.23	7.2	1.21	.1	.03	.1	.07
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	5.4	.29	2.0	.24	.6	.10	2.7	.87	.1	.05
EDITORS AND REPORTERS	1.3	.07	.2	.03	.9	.15	.1	.03	.1	.05
LAWYERS AND JUDGES	1.1	.06	.4	.05	.5	.08	.1	.02	.1	.09
LIBRARIANS	.3	.02	.0	.00	.3	.05	.0	.00	.0	.00
PERSONNEL AND LAB REL WRKS	6.5	.35	2.9	.36	2.0	.33	1.2	.38	.4	.32
PHOTOGRAPHERS	.9	.05	.1	.02	.6	.11	.1	.03	.0	.03
SOCIAL AND WELFARE WORKERS	.1	.00	.0	.00	.1	.01	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	34.0	1.85	10.8	1.35	17.9	3.00	4.4	1.38	.9	.74
MANAGERS,OFFICIALS,PROPRIETORS	92.3	5.02	33.9	4.21	23.6	3.96	9.5	3.02	7.4	5.91
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
CREDITMEN	.5	.03	.2	.02	.1	.01	.0	.00	.2	.20
OFFICERS,PILOTS,ENGRS,SHIP	.5	.03	.0	.00	.0	.00	.5	.16	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	37.1	2.01	4.0	.50	6.5	1.09	1.3	.40	.3	.23
MANAGERS,OFFICE,PROP. NEC	54.3	2.95	29.7	3.69	17.0	2.86	7.7	2.45	6.9	5.48

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT		AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	207.4	11.27	72.2	8.97	94.1	15.82	27.2	8.64	13.8	11.03
STENOS,TYPISTS,SECRETARIES	55.8	3.03	18.6	2.31	27.1	4.56	6.7	2.13	3.4	2.72
OFFICE MACHINE OPERATORS	11.3	.61	5.9	.73	3.7	.62	1.2	.37	.6	.46
OTHER CLERICAL,KINDRED WRKRS	140.3	7.62	47.8	5.93	63.4	10.65	19.3	6.14	9.8	7.85
ACCOUNTING CLERKS	6.8	.37	3.3	.41	1.7	.28	1.2	.39	.7	.53
BOOKKEEPERS,HAND	1.8	.10	.0	.00	1.0	.18	.4	.11	.4	.31
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.8	.04	.4	.05	.2	.04	.1	.04	.1	.09
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	7.5	.41	3.5	.43	2.0	.33	.9	.29	1.1	.92
TELEPHONE OPERATORS	1.6	.09	.6	.08	.5	.09	.3	.09	.1	.12
CLERICAL AND KINDRED,NEC	121.7	6.61	40.0	4.97	57.9	9.73	16.4	5.22	7.4	5.88
SALES WORKERS	12.9	.70	6.1	.75	3.2	.53	1.4	.43	2.3	1.82
CRAFTSMEN,FOREMEN AND KINDRED	482.5	26.22	156.6	19.45	138.4	23.27	154.9	49.17	32.5	26.03
CONSTRUCTION CRAFTSMEN	120.2	6.53	13.0	1.62	15.8	2.66	82.5	26.20	8.8	7.07
CARPENTERS	27.2	1.48	1.8	.22	.6	.11	20.3	6.44	4.5	3.57
BRICKMASONS AND TILE SETRS	.9	.05	.2	.03	.1	.01	.3	.10	.3	.24
CEMENT,CONCRETE FINISHERS	.1	.00	.0	.00	.0	.00	.1	.02	.0	.00
ELECTRICIANS	31.7	1.72	6.7	.83	12.2	2.05	11.3	3.59	1.5	1.24
EXCAVATNG,GRADNG MACH OPER	.3	.02	.0	.00	.1	.02	.2	.06	.0	.00
PAINTERS AND PAPERHANGERS	7.0	.38	.4	.05	.3	.05	5.7	1.80	.7	.52
PLASTERERS	.1	.01	.0	.00	.1	.01	.0	.01	.0	.00
PLUMBERS AND PIPEFITTERS	26.6	1.44	3.9	.48	2.0	.34	19.5	6.18	1.2	.96
ROOFERS AND SLATERS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.08
STRUCTURAL METALWORKERS	26.3	1.43	.1	.01	.4	.07	25.2	8.00	.6	.46
FOREMEN NEC	73.2	3.98	29.0	3.60	27.9	4.70	11.3	3.59	5.0	3.97
METALWKNG CRAFTS EXC MECH	155.7	8.46	62.8	7.80	50.4	8.48	33.1	10.51	9.4	7.49
MACHINISTS AND RELATED OCC	64.4	3.50	21.1	2.62	21.8	3.67	16.8	5.34	4.6	3.70
BLKSMITHS,FORGMN,HAMMERMEN	2.0	.11	.9	.12	.3	.04	.4	.14	.4	.30
BOILERMAKERS	4.6	.25	.0	.00	.0	.00	4.5	1.43	.1	.06
HEAT TREATERS,ANNEALERS	2.8	.15	1.1	.14	1.5	.25	.0	.01	.1	.06
MILLWRIGHTS	7.6	.42	6.0	.75	1.0	.16	.1	.03	.6	.46
MOLDERS,METAL,EXC COREMKRS	2.1	.11	.6	.07	.2	.03	.9	.29	.4	.33
PATTERNMAKERS,METAL,WOOD	5.8	.32	3.0	.38	1.9	.32	.7	.21	.2	.17
ROLLERS AND ROLL HANDS	.4	.02	.2	.03	.1	.02	.0	.00	.0	.02
SHEET METAL WORKERS	26.1	1.42	3.4	.42	11.2	1.88	9.1	2.88	2.5	1.97
TOOLMAKERS AND DIEMAKERS	39.9	2.17	26.4	3.28	12.4	2.09	.6	.18	.5	.42
PRINTING TRADES CRAFTSMEN	1.3	.07	.1	.02	1.0	.17	.1	.04	.0	.00
COMPOSITORS,TYPESETTERS	.4	.02	.1	.01	.3	.05	.1	.03	.0	.00
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.2	.01	.0	.00	.2	.03	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.2	.01	.0	.00	.2	.03	.1	.02	.0	.00
PRESSMEN,PLATE PRINTERS	.4	.02	.1	.01	.4	.06	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.5	.03	.3	.03	.0	.00	.2	.05	.1	.05
LINEMEN AND SERVICEMEN	.3	.02	.2	.02	.0	.00	.1	.03	.0	.00
LOCOMOTIVE ENGINEERS	.2	.01	.1	.01	.0	.00	.1	.02	.1	.05
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	97.4	5.30	41.0	5.09	39.1	6.57	12.4	3.92	5.0	4.02
AIRPLANE MECH AND REPAIRMN	29.5	1.60	.2	.02	29.2	4.90	.1	.02	.2	.13
MOTOR VEHICLE MECHANICS	25.6	1.39	24.7	3.07	.3	.06	.3	.11	.2	.18
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00
RADIO AND TV MECHANICS	3.6	.20	.2	.03	.7	.12	2.7	.85	.1	.05
RR AND CAR SHOP MECHANICS	.7	.04	.0	.00	.0	.00	.1	.03	.7	.53
OTHER MECHANICS AND REPAIR	37.8	2.06	15.9	1.97	8.9	1.49	9.2	2.92	3.9	3.13

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT		AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	34.2	1.86	10.5	1.31	4.2	.70	15.3	4.85	4.3	3.43
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
CABINETMAKERS	2.7	.15	.1	.01	.1	.01	.3	.10	2.3	1.81
CRANE,DERRICK,HOIST MEN	6.2	.34	2.7	.34	.4	.06	2.2	.70	.9	.73
GLAZIERS	.5	.03	.4	.04	.0	.00	.0	.00	.2	.15
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.1	.01	.0	.00	.0	.00	.1	.04	.0	.00
INSPECTORS,OTHER	2.7	.15	.2	.03	.2	.03	2.1	.68	.2	.15
UPHOLSTERERS	2.1	.11	.9	.12	.9	.15	.2	.07	.0	.01
CRAFTSMEN AND KINDRED NEC	19.8	1.07	6.2	.77	2.7	.45	10.2	3.24	.7	.57
OPERATIVES AND KINDRED WORKERS	695.9	37.82	417.5	51.87	156.2	26.26	70.2	22.29	51.9	41.52
DRIVERS,OTHER TRAN AND PU OP	18.6	1.01	10.1	1.26	3.9	.65	2.5	.80	2.0	1.63
DRIVERS,BUS,TRUCK,TRACTOR	14.2	.77	7.6	.95	3.0	.50	1.8	.58	1.8	1.40
DELIVERYMEN AND ROUTEMEN	3.2	.17	1.9	.24	.9	.15	.2	.08	.1	.10
BRAKEMEN AND SWITCHMEN RR	.3	.02	.1	.02	.0	.00	.0	.00	.1	.11
POWER STATION OPERATORS	.5	.03	.5	.06	.0	.00	.0	.00	.0	.02
SAILORS AND DECKHANDS	.4	.02	.0	.00	.0	.00	.4	.14	.0	.00
SEMISKILLED METALWORKING OCC	393.2	21.37	267.7	33.25	67.1	11.28	34.4	10.91	24.0	19.23
FURNACEMN,SMELTRMN,POURERS	2.0	.11	1.5	.19	.2	.04	.1	.02	.2	.13
HEATERS,METAL	.7	.04	.4	.05	.1	.02	.0	.01	.2	.14
WELDERS AND FLAME-CUTTERS	90.7	4.93	40.5	5.03	6.8	1.14	29.8	9.47	13.6	10.86
ASSEMBLERS,MTLWRK,CLASS A	16.6	.90	2.7	.33	11.0	1.85	.9	.29	2.0	1.61
ASSEMBLERS,MTLWRK,CLASS B	158.0	8.58	128.2	15.92	23.9	4.01	1.8	.59	4.1	3.27
INSPECTORS,MTLWRK,CLASS B	53.0	2.88	38.3	4.76	12.5	2.10	.7	.23	1.5	1.17
MACHINE TOOL OPER,CLASS B	68.1	3.70	52.9	6.58	11.8	1.98	1.0	.31	2.4	1.91
ELECTROPLATERS	1.6	.08	1.2	.15	.3	.05	.0	.00	.1	.06
ELECTROPLATERS HELPERS	2.5	.14	1.9	.24	.5	.08	.0	.00	.1	.09
SEMISKILLED TEXTILE OCCUP	4.2	.23	3.0	.37	.6	.09	.2	.08	.4	.34
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
SEWERS AND STICHERS,MFG	4.2	.23	3.0	.37	.6	.09	.2	.06	.4	.34
OTHER OPERATIVES AND KINDRED	279.9	15.21	136.8	16.99	84.7	14.23	33.1	10.50	25.4	20.31
ASBESTOS,INSULATION WKRS	3.6	.19	.1	.01	.2	.04	3.2	1.03	.0	.04
ATTEND,AUTO SERVICE,PARKNG	.4	.02	.2	.03	.2	.03	.0	.00	.0	.00
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	276.0	15.00	136.5	16.96	84.3	14.17	29.9	9.48	25.3	20.27
SERVICE WORKERS	33.4	1.82	14.6	1.81	10.1	1.70	5.9	1.88	2.8	2.24
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	14.4	.78	5.5	.69	4.5	.76	3.2	1.03	1.1	.88
FIREMEN	1.5	.08	.2	.02	.6	.11	.7	.23	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	12.4	.67	5.3	.66	3.7	.61	2.4	.75	1.0	.83
POLICE,OTH LAW ENFORCE OFF	.5	.03	.1	.01	.2	.04	.2	.05	.1	.04
FOOD SERVICE WORKERS	1.9	.10	.9	.11	.8	.13	.2	.05	.1	.04
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.6	.03	.3	.03	.2	.03	.1	.03	.0	.03
COUNTER AND FOUNTAIN WKRS	.9	.05	.4	.05	.5	.08	.0	.01	.0	.02
WAITERS AND WAITRESSES	.4	.02	.3	.03	.1	.02	.1	.02	.0	.00
OTHER SERVICE WORKERS	17.1	.93	8.1	1.01	4.8	.81	2.5	.81	1.7	1.33
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.1	.00	.0	.00	.0	.00	.1	.03	.0	.00
CHARWOMEN AND CLEANERS	2.9	.16	1.9	.24	.2	.03	.6	.18	.2	.16
JANITORS AND SEXTONS	8.4	.46	3.4	.43	2.9	.48	1.3	.40	.9	.69
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
SERVICE WORKERS,NEC	5.7	.31	2.8	.35	1.7	.29	.6	.18	.6	.47
LABORERS,EXCEPT FARM AND MINE	33.4	1.81	30.3	3.76	2.5	.42	13.2	4.20	5.4	4.29
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS		WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	540.0	100.00	500.0	100.00	40.0	100.00	505.0	100.00		
PROFESSIONAL TECHNICAL,KINDRED	136.8	25.33	133.4	26.69	3.4	8.41	20.5	4.05		
ENGINEERS,TECHNICAL	60.1	11.14	58.8	11.75	1.4	3.44	4.3	.86		
ENGINEERS,AERONAUTICAL	.7	.13	.6	.13	.1	.16	.0	.00		
ENGINEERS,CHEMICAL	1.2	.23	1.2	.25	.0	.00	.1	.01		
ENGINEERS,CIVIL	.2	.04	.2	.04	.0	.00	.0	.00		
ENGINEERS,ELECTRICAL	16.7	3.10	16.6	3.32	.1	.27	.3	.06		
ENGINEERS,INDUSTRIAL	10.5	1.94	10.0	2.00	.4	1.10	.9	.17		
ENGINEERS,MECHANICAL	9.1	1.68	8.8	1.77	.2	.56	.7	.14		
ENGINEERS,METALLURG,ETC	.3	.05	.3	.06	.0	.00	.1	.01		
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER ENGINEERS,TECHNICAL	21.5	3.98	20.9	4.18	.5	1.36	2.4	.47		
NATURAL SCIENTISTS	8.3	1.54	8.2	1.64	.1	.31	1.0	.19		
CHEMISTS	3.9	.72	3.8	.77	.1	.16	.8	.15		
AGRICULTURAL SCIENTISTS	.1	.02	.1	.02	.0	.00	.0	.00		
BIOLOGICAL SCIENTISTS	.0	.01	.0	.01	.0	.00	.0	.00		
GEOLOGISTS,GEOPHYSICISTS	1.0	.19	1.0	.20	.0	.00	.0	.00		
MATHEMATICIANS	.8	.15	.8	.16	.0	.00	.1	.02		
PHYSICISTS	2.0	.37	1.9	.39	.1	.14	.1	.02		
OTHER NATURAL SCIENTISTS	.4	.08	.4	.09	.0	.00	.0	.00		
TECHNICIANS,EXC MEDICAL,DENT	40.0	7.40	38.8	7.76	1.1	2.86	1.4	.27		
DRAFTSMEN	11.0	2.04	10.5	2.10	.5	1.28	.3	.05		
SURVEYORS	.1	.01	.1	.01	.0	.00	.0	.00		
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO OPERATORS	.1	.01	.0	.00	.1	.15	.0	.00		
TECHNICIANS,OTHER	28.8	5.34	28.2	5.65	.6	1.44	1.1	.22		
MEDICAL,OTHER HEALTH WORKERS	3.1	.57	3.0	.61	.0	.06	.1	.02		
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
DIETICIANS,NUTRITIONISTS	.0	.01	.0	.01	.0	.00	.0	.00		
NURSES,PROFESSIONAL	.1	.02	.1	.02	.0	.06	.1	.02		
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00		
PHARMACISTS	.1	.02	.1	.03	.0	.00	.0	.00		
PHYSICIANS AND SURGEONS	.1	.02	.1	.02	.0	.00	.0	.00		
PSYCHOLOGISTS	.0	.01	.0	.01	.0	.00	.0	.00		
TECHNICIANS,MEDICAL,DENTAL	2.6	.48	2.6	.52	.0	.00	.0	.00		
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS	.3	.06	.3	.05	.1	.14	.1	.03		
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,OTHER	.3	.06	.3	.05	.1	.14	.1	.03		
SOCIAL SCIENTISTS	.6	.10	.5	.11	.0	.04	.1	.02		
ECONOMISTS	.1	.02	.1	.01	.0	.04	.0	.01		
STATISTICIANS + ACTUARIES	.4	.08	.4	.08	.0	.00	.0	.01		
OTHER SOCIAL SCIENTISTS	.1	.01	.1	.01	.0	.00	.0	.00		
OTHER PROF,TECH AND KINDRED	24.5	4.53	23.8	4.77	.6	1.56	13.5	2.67		
ACCOUNTANTS AND AUDITORS	3.3	.61	3.2	.65	.1	.21	1.6	.32		
AIRPLANE PILOTS,NAVIGATORS	.1	.03	.1	.03	.0	.00	.0	.00		
ARCHITECTS	.1	.01	.1	.01	.0	.00	.0	.00		
WRKRS IN ARTS,ENTERTAINMNT	2.0	.37	2.0	.40	.0	.00	2.1	.42		
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00		
DESIGNERS,EXC DESIGN DRAFT	3.0	.56	2.9	.58	.1	.22	4.2	.83		
EDITORS AND REPORTERS	.6	.12	.6	.13	.0	.00	.2	.04		
LAWYERS AND JUDGES	.4	.08	.4	.08	.0	.00	.1	.02		
LIBRARIANS	.0	.00	.0	.00	.0	.00	.1	.01		
PERSONNEL AND LAB REL WRKS	2.1	.39	2.0	.40	.1	.19	1.5	.29		
PHOTOGRAPHERS	.3	.06	.3	.07	.0	.00	.1	.02		
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.01		
PROF,TECH,KINDRED,NEC	12.5	2.31	12.1	2.42	.4	.94	3.6	.71		
MANAGERS,OFFICIALS,PROPRIETORS	31.6	5.86	29.7	5.95	1.9	4.73	43.4	8.60		
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00		
CREDITMEN	.1	.02	.1	.01	.0	.09	.4	.08		
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00		
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00		
PURCHASING AGENTS	5.0	.93	4.7	.94	.3	.80	1.5	.30		
MANAGERS,OFFICE,PROP. NEC	26.5	4.91	25.0	4.99	1.5	3.83	41.5	8.22		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS		WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	83.5	15.46	77.6	15.52	5.9	14.71	68.7	13.61		
STENOS,TYPISTS,SECRETARIES	26.3	4.87	24.4	4.89	1.9	4.65	15.8	3.13		
OFFICE MACHINE OPERATORS	5.6	1.05	5.1	1.03	.5	1.29	.0	.00		
OTHER CLERICAL,KINDRED WRKRS	51.5	9.55	48.0	9.61	3.5	8.77	52.9	10.48		
ACCOUNTING CLERKS	1.4	.26	1.3	.27	.1	.19	2.0	.40		
BOOKKEEPERS,HAND	2.9	.54	2.5	.51	.4	.92	6.0	1.18		
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00		
CASHIERS	.1	.02	.1	.02	.0	.10	.0	.01		
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00		
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00		
SHIPPING,RECEIVING CLERKS	4.1	.77	4.1	.82	.0	.08	9.1	1.80		
TELEPHONE OPERATORS	.8	.15	.7	.14	.1	.27	.8	.16		
CLERICAL AND KINDRED,NEC	42.2	7.81	39.3	7.85	2.9	7.22	35.0	6.93		
SALES WORKERS	10.6	1.97	9.4	1.87	1.3	3.16	23.9	4.74		
CRAFTSMEN,FOREMEN AND KINDRED	94.3	17.46	86.2	17.24	8.1	20.24	83.8	16.59		
CONSTRUCTION CRAFTSMEN	5.8	1.08	5.7	1.13	.2	.42	6.8	1.34		
CARPENTERS	.7	.13	.6	.13	.1	.14	2.0	.40		
BRICKMASONS AND TILE SETRS	.0	.00	.0	.00	.0	.04	.1	.01		
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTRICIANS	3.6	.66	3.5	.70	.1	.20	1.7	.35		
EXCAVATNG,GRADNG MACH OPER	.0	.01	.0	.01	.0	.00	.0	.00		
PAINTERS AND PAPERHANGERS	.1	.02	.1	.02	.0	.01	1.9	.37		
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00		
PLUMBERS AND PIPEFITTERS	1.4	.25	1.4	.27	.0	.01	.8	.17		
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.02	.0	.00		
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.2	.04		
FOREMEN NEC	23.5	4.35	21.7	4.34	1.8	4.53	22.4	4.43		
METALWKNG CRAFTS EXC MECH	31.3	5.80	28.2	5.64	3.1	7.73	20.7	4.10		
MACHINISTS AND RELATED OCC	21.5	3.99	20.0	4.01	1.5	3.77	1.6	.31		
BLKSMITHS,FORGMN,HAMMERMEN	.1	.01	.1	.01	.0	.00	.1	.02		
BOILERMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
HEAT TREATERS,ANNEALERS	.1	.01	.1	.01	.0	.01	.2	.03		
MILLWRIGHTS	.6	.12	.6	.12	.0	.00	.3	.06		
MOLDERS,METAL,EXC COREMKRS	.1	.01	.1	.01	.0	.00	.5	.09		
PATTERNMAKERS,METAL,WOOD	1.9	.35	1.6	.32	.3	.70	11.2	2.22		
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.1	.01		
SHEET METAL WORKERS	2.3	.43	2.2	.45	.1	.23	2.1	.42		
TOOLMAKERS AND DIEMAKERS	4.7	.88	3.5	.71	1.2	3.02	4.7	.94		
PRINTING TRADES CRAFTSMEN	1.0	.18	1.0	.20	.0	.00	3.5	.70		
COMPOSITORS,TYPESETTERS	.4	.08	.4	.09	.0	.00	1.0	.20		
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00		
ENGRAVERS EXC PHOTOENGRVER	.2	.04	.2	.04	.0	.00	1.9	.37		
PHOTOENGRVRS,LITHOGRAPHERS	.1	.02	.1	.02	.0	.00	.1	.02		
PRESSMEN,PLATE PRINTERS	.2	.04	.2	.05	.0	.00	.6	.11		
TRANSPORT AND PUB UTIL CRAFT	.0	.00	.0	.00	.0	.00	.0	.00		
LINEMEN AND SERVICEMEN	.0	.00	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
MECHANICS AND REPAIRMEN	16.1	2.99	14.0	2.81	2.1	5.24	12.9	2.55		
AIRPLANE MECH AND REPAIRMN	.2	.05	.2	.05	.0	.00	.0	.00		
MOTOR VEHICLE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.01		
OFFICE MACHINE MECHANICS	.0	.01	.0	.01	.0	.00	.1	.03		
RADIO AND TV MECHANICS	.2	.03	.2	.04	.0	.00	.0	.00		
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MECHANICS AND REPAIR	15.7	2.90	13.6	2.72	2.1	5.24	12.7	2.51		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS		WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	16.5	3.06	15.6	3.12	.9	2.33	17.6	3.48		
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
CABINETMAKERS	.7	.12	.6	.13	.0	.04	1.3	.25		
CRANE,DERRICK,HOIST MEN	.1	.01	.1	.01	.0	.00	.2	.03		
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00		
JEWELERS AND WATCHMAKERS	.5	.08	.0	.01	.4	1.03	9.7	1.91		
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00		
OPTICIANS,LENS GRINDERS	8.0	1.48	8.0	1.59	.0	.06	.0	.00		
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.1	.01		
INSPECTORS,OTHER	.0	.00	.0	.00	.0	.07	.2	.05		
UPHOLSTERERS	.3	.05	.3	.05	.0	.00	.6	.12		
CRAFTSMEN AND KINDRED NEC	7.1	1.31	6.6	1.32	.5	1.14	5.6	1.10		
OPERATIVES AND KINDRED WORKERS	172.1	31.87	153.2	30.65	18.9	47.17	247.1	48.94		
DRIVERS,OTHER TRAN AND PU OP	2.2	.40	2.0	.40	.2	.40	6.1	1.21		
DRIVERS,BUS,TRUCK,TRACTOR	1.5	.28	1.5	.29	.1	.15	3.6	.72		
DELIVERYMEN AND ROUTEMEN	.6	.12	.5	.11	.1	.24	2.4	.47		
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00		
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.1	.02		
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED METALWORKING OCC	64.1	11.86	57.9	11.57	6.2	15.47	49.5	9.81		
FURNACEMN,SMELTRMN,POURERS	.1	.02	.1	.02	.0	.00	.5	.09		
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00		
WELDERS AND FLAME-CUTTERS	2.7	.50	2.5	.50	.2	.44	4.7	.93		
ASSEMBLERS,MTLWRK,CLASS A	20.6	3.81	18.4	3.68	2.2	5.51	.0	.00		
ASSEMBLERS,MTLWRK,CLASS B	22.5	4.17	20.0	4.00	2.5	6.21	30.0	5.93		
INSPECTORS,MTLWRK,CLASS B	9.5	1.77	8.8	1.77	.7	1.77	8.1	1.61		
MACHINE TOOL OPER,CLASS B	7.6	1.40	7.1	1.43	.4	1.11	4.9	.97		
ELECTROPLATERS	.4	.07	.3	.06	.1	.18	.6	.11		
ELECTROPLATERS HELPERS	.7	.12	.6	.11	.1	.26	.8	.16		
SEMISKILLED TEXTILE OCCUP	1.4	.27	1.4	.28	.0	.09	10.4	2.06		
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.1	.01		
SEWERS AND STICHERS,MFG	1.4	.27	1.4	.28	.0	.09	10.4	2.05		
OTHER OPERATIVES AND KINDRED	104.4	19.34	92.0	18.39	12.5	31.22	181.0	35.85		
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.00	.1	.02		
ATTEND,AUTO SERVICE,PARKNG	.1	.02	.1	.02	.0	.00	.0	.00		
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00		
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.00		
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00		
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00		
OPERATIVES AND KINDRED,NEC	104.4	19.33	91.9	18.37	12.5	31.22	180.9	35.83		
SERVICE WORKERS	6.6	1.22	6.2	1.25	.4	.89	7.0	1.39		
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROTECTIVE SERVICE WORKERS	2.7	.49	2.5	.51	.1	.35	1.6	.32		
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
GUARDS,WATCHMEN,DOORKEEPRS	2.6	.48	2.5	.49	.1	.35	1.6	.32		
POLICE,OTH LAW ENFORCE OFF	.1	.01	.1	.02	.0	.00	.0	.00		
FOOD SERVICE WORKERS	.6	.10	.6	.11	.0	.00	.3	.05		
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00		
COOKS,EXC PRIV HOUSEHOLDS	.1	.02	.1	.02	.0	.00	.1	.03		
COUNTER AND FOUNTAIN WKRS	.4	.07	.4	.08	.0	.00	.1	.02		
WAITERS AND WAITRESSES	.1	.02	.1	.02	.0	.00	.0	.01		
OTHER SERVICE WORKERS	3.4	.62	3.2	.63	.2	.54	5.2	1.02		
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00		
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00		
CHARWOMEN AND CLEANERS	.3	.05	.3	.05	.0	.05	.7	.13		
JANITORS AND SEXTONS	1.8	.34	1.8	.36	.0	.10	2.8	.55		
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
SERVICE WORKERS,NEC	1.3	.23	1.1	.22	.2	.39	1.7	.34		
LABORERS,EXCEPT FARM AND MINE	4.5	.83	4.2	.84	.3	.69	10.5	2.08		
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS		DAIRY PRODUCTS			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	8,630.0	100.00	1,710.0	100.00	285.0	100.00	265.0	100.00		
PROFESSIONAL TECHNICAL,KINDRED	687.3	7.96	65.4	3.83	7.1	2.48	9.4	3.54		
ENGINEERS,TECHNICAL	118.6	1.37	9.0	.53	1.6	.55	1.1	.40		
ENGINEERS,AERONAUTICAL	.1	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,CHEMICAL	37.4	.43	.5	.03	.1	.02	.0	.00		
ENGINEERS,CIVIL	4.9	.06	.6	.04	.0	.01	.1	.03		
ENGINEERS,ELECTRICAL	5.5	.06	.6	.03	.0	.00	.1	.02		
ENGINEERS,INDUSTRIAL	21.5	.25	2.4	.14	.7	.24	.2	.09		
ENGINEERS,MECHANICAL	22.1	.26	2.4	.14	.3	.12	.4	.14		
ENGINEERS,METALLURG,ETC	1.9	.02	.0	.00	.0	.00	.0	.00		
ENGINEERS,MINING	.8	.01	.0	.00	.0	.00	.0	.00		
OTHER ENGINEERS,TECHNICAL	24.5	.28	2.6	.15	.5	.17	.3	.11		
NATURAL SCIENTISTS	126.4	1.46	9.6	.56	.9	.30	.6	.24		
CHEMISTS	91.1	1.06	5.3	.31	.4	.14	.3	.11		
AGRICULTURAL SCIENTISTS	6.6	.08	3.0	.18	.4	.14	.2	.08		
BIOLOGICAL SCIENTISTS	11.9	.14	.7	.04	.0	.01	.2	.06		
GEOLOGISTS,GEOPHYSICISTS	2.0	.02	.0	.00	.0	.00	.0	.00		
MATHEMATICIANS	3.0	.03	.2	.01	.0	.00	.0	.00		
PHYSICISTS	2.6	.03	.0	.00	.0	.00	.0	.00		
OTHER NATURAL SCIENTISTS	9.2	.11	.4	.02	.0	.01	.0	.00		
TECHNICIANS,EXC MEDICAL,DENT	144.8	1.68	20.7	1.21	1.3	.45	4.4	1.65		
DRAFTSMEN	16.8	.20	1.3	.07	.1	.04	.1	.04		
SURVEYORS	.3	.00	.1	.01	.0	.00	.0	.00		
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO OPERATORS	.1	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,OTHER	127.6	1.48	19.3	1.13	1.1	.40	4.3	1.61		
MEDICAL,OTHER HEALTH WORKERS	8.5	.10	1.1	.06	.1	.04	.1	.02		
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
DIETICIANS,NUTRITIONISTS	.2	.00	.1	.01	.0	.00	.0	.00		
NURSES,PROFESSIONAL	4.2	.05	.7	.04	.1	.04	.0	.01		
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00		
PHARMACISTS	1.6	.02	.0	.00	.0	.00	.0	.00		
PHYSICIANS AND SURGEONS	.7	.01	.0	.00	.0	.00	.0	.00		
PSYCHOLOGISTS	.2	.00	.1	.01	.0	.00	.0	.00		
TECHNICIANS,MEDICAL,DENTAL	1.1	.01	.2	.01	.0	.00	.0	.01		
VETERINARIANS	.3	.00	.0	.00	.0	.00	.0	.00		
OTHER MEDICAL,HEALTH WRKRS	.1	.00	.0	.00	.0	.00	.0	.00		
TEACHERS	2.2	.02	.1	.01	.0	.00	.1	.04		
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,OTHER	2.2	.02	.1	.01	.0	.00	.1	.04		
SOCIAL SCIENTISTS	4.9	.06	.3	.02	.0	.01	.0	.01		
ECONOMISTS	1.8	.02	.1	.01	.0	.00	.0	.00		
STATISTICIANS + ACTUARIES	1.8	.02	.2	.01	.0	.01	.0	.00		
OTHER SOCIAL SCIENTISTS	1.3	.01	.0	.00	.0	.00	.0	.01		
OTHER PROF,TECH AND KINDRED	282.0	3.27	24.6	1.44	3.2	1.13	3.1	1.18		
ACCOUNTANTS AND AUDITORS	50.8	.59	11.6	.68	1.7	.59	2.0	.74		
AIRPLANE PILOTS,NAVIGATORS	1.1	.01	.2	.01	.0	.00	.0	.00		
ARCHITECTS	.4	.00	.1	.00	.0	.00	.0	.00		
WRKRS IN ARTS,ENTERTAINMNT	26.9	.31	.6	.03	.1	.03	.0	.01		
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00		
DESIGNERS,EXC DESIGN DRAFT	21.7	.25	.2	.01	.1	.02	.1	.03		
EDITORS AND REPORTERS	79.5	.92	.2	.01	.0	.00	.0	.01		
LAWYERS AND JUDGES	2.3	.03	.3	.02	.1	.02	.0	.01		
LIBRARIANS	1.0	.01	.0	.00	.0	.00	.0	.00		
PERSONNEL AND LAB REL WRKS	18.9	.22	3.7	.22	.6	.19	.4	.14		
PHOTOGRAPHERS	17.9	.21	.1	.01	.0	.00	.0	.00		
SOCIAL AND WELFARE WORKERS	.1	.00	.0	.00	.0	.00	.0	.00		
PROF,TECH,KINDRED,NEC	61.4	.71	7.6	.45	.8	.28	.6	.24		
MANAGERS,OFFICIALS,PROPRIETORS	561.7	6.51	144.0	8.42	23.6	8.29	26.4	9.97		
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00		
CREDITMEN	7.7	.09	1.8	.11	.3	.11	.6	.23		
OFFICERS,PILOTS,ENGRS,SHIP	.5	.01	.2	.01	.0	.00	.0	.00		
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00		
PURCHASING AGENTS	23.3	.27	8.3	.49	3.4	1.18	.8	.30		
MANAGERS,OFFICE,PROP. NEC	530.2	6.14	133.6	7.81	19.9	7.00	25.0	9.45		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS		DAIRY PRODUCTS			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	1,084.8	12.57	210.3	12.30	30.8	10.80	40.4	15.25		
STENOS,TYPISTS,SECRETARIES	276.1	3.20	45.7	2.67	4.3	1.51	4.2	1.60		
OFFICE MACHINE OPERATORS	72.7	.84	20.3	1.19	3.8	1.35	5.2	1.96		
OTHER CLERICAL,KINDRED WRKRS	736.1	8.53	144.3	8.44	22.6	7.94	31.0	11.69		
ACCOUNTING CLERKS	39.2	.45	10.3	.60	1.9	.66	2.1	.78		
BOOKKEEPERS,HAND	53.0	.61	16.4	.96	1.7	.61	5.3	2.01		
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00		
CASHIERS	6.2	.07	4.0	.24	.1	.05	.8	.29		
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00		
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00		
SHIPPING,RECEIVING CLERKS	111.2	1.29	16.5	.97	3.1	1.07	2.0	.76		
TELEPHONE OPERATORS	15.3	.18	2.5	.14	.3	.12	.4	.17		
CLERICAL AND KINDRED,NEC	511.1	5.92	94.6	5.53	15.5	5.44	20.3	7.68		
SALES WORKERS	488.5	5.66	91.0	5.32	13.2	4.63	13.9	5.23		
CRAFTSMEN,FOREMEN AND KINDRED	1,308.4	15.16	244.7	14.31	22.3	7.83	22.2	8.39		
CONSTRUCTION CRAFTSMEN	90.0	1.04	14.4	.84	2.1	.74	.6	.22		
CARPENTERS	12.3	.14	3.4	.20	.5	.18	.2	.06		
BRICKMASONS AND TILE SETRS	2.1	.02	.6	.04	.1	.02	.1	.04		
CEMENT,CONCRETE FINISHERS	.4	.00	.0	.00	.0	.00	.0	.00		
ELECTRICIANS	34.4	.40	5.8	.34	.6	.20	.2	.07		
EXCAVATNG,GRADNG MACH OPER	4.0	.05	.5	.03	.0	.01	.0	.01		
PAINTERS AND PAPERHANGERS	2.3	.03	.6	.04	.0	.01	.1	.05		
PLASTERERS	.3	.00	.0	.00	.0	.00	.0	.00		
PLUMBERS AND PIPEFITTERS	33.0	.38	3.5	.20	.9	.31	.0	.00		
ROOFERS AND SLATERS	.7	.01	.0	.00	.0	.00	.0	.00		
STRUCTURAL METALWORKERS	.5	.01	.0	.00	.0	.00	.0	.00		
FOREMEN NEC	386.5	4.48	76.6	4.48	10.7	3.74	9.7	3.68		
METALWKNG CRAFTS EXC MECH	74.0	.86	8.5	.50	1.4	.48	.1	.04		
MACHINISTS AND RELATED OCC	32.9	.38	5.3	.31	.9	.30	.1	.03		
BLKSMITHS,FORGMN,HAMMERMEN	1.1	.01	.3	.01	.1	.02	.0	.00		
BOILERMAKERS	2.9	.03	.2	.01	.0	.00	.0	.00		
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00		
MILLWRIGHTS	21.1	.24	1.9	.11	.4	.15	.0	.01		
MOLDERS,METAL,EXC COREMKRS	.2	.00	.0	.00	.0	.00	.0	.00		
PATTERNMAKERS,METAL,WOOD	2.0	.02	.0	.00	.0	.00	.0	.00		
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00		
SHEET METAL WORKERS	3.7	.04	.7	.04	.0	.00	.0	.00		
TOOLMAKERS AND DIEMAKERS	10.1	.12	.1	.01	.0	.00	.0	.00		
PRINTING TRADES CRAFTSMEN	287.5	3.33	1.1	.06	.1	.03	.1	.04		
COMPOSITORS,TYPESETTERS	133.4	1.55	.8	.05	.0	.02	.1	.04		
ELECTROTYPERS,STEREOTYPERS	4.6	.05	.0	.00	.0	.00	.0	.00		
ENGRAVERS EXC PHOTOENGRVER	8.8	.10	.0	.00	.0	.00	.0	.00		
PHOTOENGRVRS,LITHOGRAPHERS	51.5	.60	.0	.00	.0	.00	.0	.00		
PRESSMEN,PLATE PRINTERS	89.0	1.03	.2	.01	.0	.01	.0	.00		
TRANSPORT AND PUB UTIL CRAFT	1.3	.01	.1	.00	.0	.00	.0	.00		
LINEMEN AND SERVICEMEN	.8	.01	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE ENGINEERS	.5	.01	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
MECHANICS AND REPAIRMEN	283.4	3.28	68.7	4.02	5.8	2.04	9.0	3.39		
AIRPLANE MECH AND REPAIRMN	.3	.00	.2	.01	.0	.00	.0	.01		
MOTOR VEHICLE MECHANICS	8.5	.10	6.1	.36	.5	.18	1.8	.67		
OFFICE MACHINE MECHANICS	.3	.00	.0	.00	.0	.00	.0	.00		
RADIO AND TV MECHANICS	.1	.00	.1	.00	.1	.02	.0	.00		
RR AND CAR SHOP MECHANICS	.1	.00	.0	.00	.0	.00	.0	.00		
OTHER MECHANICS AND REPAIR	274.1	3.18	62.3	3.64	5.2	1.84	7.2	2.71		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS		DAIRY PRODUCTS			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	185.8	2.15	75.3	4.41	2.3	.82	2.7	1.02		
BAKERS	48.8	.57	48.8	2.85	.3	.12	.0	.00		
CABINETMAKERS	.9	.01	.1	.00	.0	.00	.0	.00		
CRANE,DERRICK,HOIST MEN	7.8	.09	1.0	.06	.0	.01	.0	.01		
GLAZIERS	.3	.00	.0	.00	.0	.01	.0	.00		
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOOM FIXERS	23.9	.28	.0	.00	.0	.00	.0	.00		
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,LOG AND LUMBER	1.5	.02	.1	.00	.0	.00	.0	.00		
INSPECTORS,OTHER	2.6	.03	.4	.02	.1	.03	.0	.01		
UPHOLSTERERS	2.0	.02	.0	.00	.0	.00	.0	.00		
CRAFTSMEN AND KINDRED NEC	98.0	1.14	25.0	1.46	1.8	.65	2.7	1.00		
OPERATIVES AND KINDRED WORKERS	4,099.8	47.51	818.8	47.88	163.9	57.51	141.7	53.[illegible]7		
DRIVERS,OTHER TRAN AND PU OP	381.0	4.41	292.9	17.13	19.5	6.82	107.5	40.57		
DRIVERS,BUS,TRUCK,TRACTOR	158.3	1.83	98.2	5.74	14.0	4.93	23.5	8.87		
DELIVERYMEN AND ROUTEMEN	216.6	2.51	194.4	11.37	5.3	1.88	84.0	31.70		
BRAKEMEN AND SWITCHMEN RR	.3	.00	.1	.00	.0	.00	.0	.00		
POWER STATION OPERATORS	5.2	.06	.2	.01	.1	.02	.0	.00		
SAILORS AND DECKHANDS	.5	.01	.0	.00	.0	.00	.0	.00		
SEMISKILLED METALWORKING OCC	23.0	.27	2.5	.15	.5	.17	.1	.02		
FURNACEMN,SMELTRMN,POURERS	.2	.00	.0	.00	.0	.00	.0	.00		
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00		
WELDERS AND FLAME-CUTTERS	22.8	.26	2.5	.15	.5	.17	.1	.02		
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00		
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED TEXTILE OCCUP	904.6	10.48	.0	.00	.0	.00	.0	.00		
KNITTERS,LOOPERS,TOPPERS	43.5	.50	.0	.00	.0	.00	.0	.00		
SPINNERS,TEXTILE	30.5	.35	.0	.00	.0	.00	.0	.00		
WEAVERS,TEXTILE	39.2	.45	.0	.00	.0	.00	.0	.00		
SEWERS AND STICHERS,MFG	791.4	9.17	.0	.00	.0	.00	.0	.00		
OTHER OPERATIVES AND KINDRED	2,791.2	32.34	523.4	30.61	144.0	50.52	34.1	12.88		
ASBESTOS,INSULATION WKRS	3.1	.04	.0	.00	.0	.00	.0	.00		
ATTEND,AUTO SERVICE,PARKNG	.5	.01	.2	.01	.0	.00	.1	.03		
BLASTERS AND POWDERMEN	.2	.00	.0	.00	.0	.00	.0	.00		
LAUNDRY,DRY CLEANING OPER	2.1	.02	.5	.03	.2	.08	.1	.02		
MEAT CUTTERS,EXC MEATPCKNG	1.1	.01	.9	.05	.0	.00	.0	.01		
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00		
OPERATIVES AND KINDRED,NEC	2,784.2	32.26	521.7	30.51	143.8	50.44	34.0	12.83		
SERVICE WORKERS	152.5	1.77	42.9	2.51	6.5	2.28	3.4	1.28		
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROTECTIVE SERVICE WORKERS	29.4	.34	6.9	.40	1.3	.44	.2	.07		
FIREMEN	.6	.01	.1	.01	.0	.01	.0	.00		
GUARDS,WATCHMEN,DOORKEEPRS	26.9	.31	5.6	.33	.2	.06	.2	.07		
POLICE,OTH LAW ENFORCE OFF	1.9	.02	1.1	.06	1.0	.36	.0	.00		
FOOD SERVICE WORKERS	11.7	.14	5.8	.34	.8	.29	1.0	.36		
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00		
COOKS,EXC PRIV HOUSEHOLDS	4.8	.06	2.9	.17	.6	.20	.2	.06		
COUNTER AND FOUNTAIN WKRS	3.0	.04	1.1	.06	.2	.07	.2	.07		
WAITERS AND WAITRESSES	3.9	.04	1.9	.11	.1	.02	.6	.23		
OTHER SERVICE WORKERS	111.4	1.29	30.2	1.77	4.4	1.54	2.2	.84		
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00		
ATTENDANTS,HOSP,OTHER INST	.1	.00	.1	.00	.0	.00	.0	.00		
CHARWOMEN AND CLEANERS	14.2	.16	2.8	.16	.6	.20	.1	.04		
JANITORS AND SEXTONS	50.1	.58	13.1	.76	2.0	.69	1.6	.59		
NURSES,PRACTICAL	.1	.00	.1	.00	.0	.00	.0	.00		
SERVICE WORKERS,NEC	46.9	.54	14.3	.83	1.9	.65	.6	.22		
LABORERS,EXCEPT FARM AND MINE	247.0	2.86	93.0	5.44	17.6	6.17	7.6	2.87		
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	305.0	100.00	110.0	100.00	260.0	100.00	225.0	100.00		
PROFESSIONAL TECHNICAL,KINDRED	14.4	4.71	9.0	8.16	2.2	.86	8.0	3.57		
ENGINEERS,TECHNICAL	1.9	.62	1.2	1.11	.4	.17	.8	.35		
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,CHEMICAL	.0	.00	.2	.14	.0	.01	.1	.03		
ENGINEERS,CIVIL	.3	.10	.1	.07	.0	.01	.0	.02		
ENGINEERS,ELECTRICAL	.2	.08	.0	.01	.0	.01	.1	.05		
ENGINEERS,INDUSTRIAL	.3	.11	.4	.35	.1	.02	.2	.08		
ENGINEERS,MECHANICAL	.6	.20	.2	.20	.1	.04	.2	.10		
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER ENGINEERS,TECHNICAL	.4	.14	.4	.34	.2	.08	.2	.07		
NATURAL SCIENTISTS	1.8	.59	1.8	1.62	.1	.02	1.2	.53		
CHEMISTS	.7	.24	1.2	1.06	.1	.02	1.1	.47		
AGRICULTURAL SCIENTISTS	.9	.30	.2	.18	.0	.00	.0	.00		
BIOLOGICAL SCIENTISTS	.1	.03	.1	.13	.0	.00	.1	.05		
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00		
MATHEMATICIANS	.0	.00	.2	.18	.0	.00	.0	.00		
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER NATURAL SCIENTISTS	.1	.03	.1	.06	.0	.00	.0	.01		
TECHNICIANS,EXC MEDICAL,DENT	4.1	1.36	3.0	2.68	.6	.22	1.8	.81		
DRAFTSMEN	.2	.06	.3	.27	.1	.03	.2	.10		
SURVEYORS	.1	.02	.0	.00	.0	.00	.0	.00		
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO OPERATORS	.0	.00	.0	.01	.0	.00	.0	.01		
TECHNICIANS,OTHER	3.9	1.28	2.6	2.41	.5	.18	1.5	.70		
MEDICAL,OTHER HEALTH WORKERS	.3	.09	.1	.13	.1	.03	.2	.07		
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
DIETICIANS,NUTRITIONISTS	.0	.01	.1	.07	.0	.00	.0	.00		
NURSES,PROFESSIONAL	.2	.07	.0	.03	.1	.02	.1	.05		
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00		
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00		
PHYSICIANS AND SURGEONS	.0	.00	.0	.00	.0	.00	.0	.00		
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,MEDICAL,DENTAL	.0	.01	.0	.02	.0	.01	.0	.02		
VETERINARIANS	.0	.00	.0	.01	.0	.00	.0	.00		
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS	.0	.01	.0	.00	.0	.00	.0	.00		
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,OTHER	.0	.01	.0	.00	.0	.00	.0	.00		
SOCIAL SCIENTISTS	.1	.03	.1	.09	.0	.00	.1	.04		
ECONOMISTS	.0	.01	.0	.04	.0	.00	.0	.02		
STATISTICIANS + ACTUARIES	.1	.02	.1	.05	.0	.00	.0	.02		
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER PROF,TECH AND KINDRED	6.1	2.00	2.8	2.52	1.1	.42	4.0	1.77		
ACCOUNTANTS AND AUDITORS	2.9	.94	.9	.85	.7	.27	1.3	.58		
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.0	.00	.0	.01	.2	.08		
ARCHITECTS	.0	.00	.0	.00	.0	.01	.0	.01		
WRKRS IN ARTS,ENTERTAINMNT	.1	.03	.1	.05	.0	.01	.2	.08		
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00		
DESIGNERS,EXC DESIGN DRAFT	.1	.02	.0	.00	.0	.00	.0	.01		
EDITORS AND REPORTERS	.0	.01	.0	.01	.1	.02	.0	.01		
LAWYERS AND JUDGES	.1	.03	.0	.02	.0	.01	.0	.00		
LIBRARIANS	.0	.00	.0	.00	.0	.00	.1	.03		
PERSONNEL AND LAB REL WRKS	1.1	.37	.5	.42	.1	.06	.5	.21		
PHOTOGRAPHERS	.0	.00	.0	.03	.0	.01	.1	.03		
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.01	.0	.00		
PROF,TECH,KINDRED,NEC	1.8	.61	1.3	1.14	.0	.01	1.7	.74		
MANAGERS,OFFICIALS,PROPRIETORS	20.8	6.82	12.3	11.20	13.6	5.23	23.4	10.41		
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00		
CREDITMEN	.1	.03	.3	.29	.1	.05	.0	.01		
OFFICERS,PILOTS,ENGRS,SHIP	.2	.06	.0	.00	.0	.00	.0	.02		
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00		
PURCHASING AGENTS	1.6	.53	.6	.51	.3	.12	.3	.11		
MANAGERS,OFFICE,PROP. NEC	18.9	6.20	11.4	10.40	13.2	5.07	23.1	10.27		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	41.6	13.63	12.1	10.97	23.0	8.84	23.4	10.40		
STENOS,TYPISTS,SECRETARIES	17.3	5.68	3.6	3.26	2.0	.78	5.6	2.48		
OFFICE MACHINE OPERATORS	2.2	.74	.9	.79	2.2	.83	2.1	.94		
OTHER CLERICAL,KINDRED WRKRS	22.0	7.22	7.6	6.92	18.8	7.23	15.7	6.98		
ACCOUNTING CLERKS	1.2	.40	.8	.70	1.2	.46	1.4	.64		
BOOKKEEPERS,HAND	3.1	1.03	1.1	1.01	.6	.21	2.1	.95		
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00		
CASHIERS	.1	.03	.1	.05	1.8	.71	.3	.14		
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00		
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00		
SHIPPING,RECEIVING CLERKS	2.0	.67	.6	.51	3.8	1.48	1.1	.48		
TELEPHONE OPERATORS	.4	.14	.2	.15	.2	.06	.3	.14		
CLERICAL AND KINDRED,NEC	15.1	4.95	5.0	4.51	11.2	4.32	10.4	4.63		
SALES WORKERS	7.8	2.56	6.5	5.91	20.9	8.04	14.2	6.32		
CRAFTSMEN,FOREMEN AND KINDRED	38.3	12.56	19.8	18.02	65.9	25.36	37.2	16.52		
CONSTRUCTION CRAFTSMEN	3.3	1.08	1.5	1.35	.6	.25	2.4	1.09		
CARPENTERS	.8	.26	.1	.13	.1	.04	.7	.30		
BRICKMASONS AND TILE SETRS	.1	.03	.0	.04	.1	.04	.0	.02		
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTRICIANS	1.7	.55	.7	.67	.3	.13	1.1	.48		
EXCAVATNG,GRADNG MACH OPER	.1	.04	.0	.01	.0	.00	.0	.00		
PAINTERS AND PAPERHANGERS	.1	.03	.0	.00	.0	.02	.3	.13		
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00		
PLUMBERS AND PIPEFITTERS	.5	.16	.5	.50	.1	.02	.3	.15		
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
FOREMEN NEC	15.8	5.18	6.0	5.42	8.6	3.29	12.0	5.32		
METALWKNG CRAFTS EXC MECH	1.0	.34	1.4	1.23	.7	.28	2.0	.88		
MACHINISTS AND RELATED OCC	.7	.22	.4	.40	.7	.27	1.6	.72		
BLKSMITHS,FORGMN,HAMMERMEN	.1	.02	.0	.00	.0	.00	.0	.00		
BOILERMAKERS	.0	.01	.0	.02	.0	.00	.0	.01		
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00		
MILLWRIGHTS	.1	.04	.6	.56	.0	.01	.1	.05		
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00		
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00		
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00		
SHEET METAL WORKERS	.1	.02	.3	.25	.0	.00	.2	.09		
TOOLMAKERS AND DIEMAKERS	.1	.02	.0	.00	.0	.00	.0	.00		
PRINTING TRADES CRAFTSMEN	.5	.16	.1	.08	.1	.04	.1	.03		
COMPOSITORS,TYPESETTERS	.4	.12	.0	.04	.1	.03	.1	.03		
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00		
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.03	.0	.00	.0	.00		
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00		
PRESSMEN,PLATE PRINTERS	.1	.04	.0	.01	.0	.01	.0	.00		
TRANSPORT AND PUB UTIL CRAFT	.0	.01	.0	.00	.0	.00	.0	.00		
LINEMEN AND SERVICEMEN	.0	.01	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
MECHANICS AND REPAIRMEN	15.2	5.00	5.4	4.89	7.1	2.71	12.3	5.46		
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.1	.06		
MOTOR VEHICLE MECHANICS	.2	.06	.1	.12	1.2	.48	.8	.35		
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MECHANICS AND REPAIR	15.1	4.94	5.2	4.76	5.8	2.23	11.4	5.04		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	2.5	.80	5.6	5.05	48.9	18.80	8.4	3.75		
BAKERS	.2	.05	.1	.07	47.6	18.30	.1	.03		
CABINETMAKERS	.0	.00	.0	.01	.0	.02	.0	.00		
CRANE,DERRICK,HOIST MEN	.4	.14	.0	.00	.1	.02	.1	.03		
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00		
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00		
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.02		
INSPECTORS,OTHER	.0	.00	.0	.04	.1	.03	.0	.02		
UPHOLSTERERS	.0	.00	.0	.01	.0	.00	.0	.00		
CRAFTSMEN AND KINDRED NEC	1.9	.61	5.4	4.92	1.1	.43	8.2	3.65		
OPERATIVES AND KINDRED WORKERS	152.7	50.07	39.1	35.54	120.1	46.20	97.1	43.16		
DRIVERS,OTHER TRAN AND PU OP	13.9	4.57	10.3	9.40	76.7	29.49	43.5	19.35		
DRIVERS,BUS,TRUCK,TRACTOR	10.4	3.42	9.1	8.30	9.9	3.79	16.2	7.20		
DELIVERYMEN AND ROUTEMEN	3.4	1.13	1.2	1.10	66.8	25.69	27.3	12.13		
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00		
POWER STATION OPERATORS	.1	.02	.0	.00	.0	.01	.0	.02		
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED METALWORKING OCC	.4	.12	.2	.17	.0	.01	.3	.12		
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00		
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00		
WELDERS AND FLAME-CUTTERS	.4	.12	.2	.17	.0	.01	.3	.12		
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00		
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00		
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER OPERATIVES AND KINDRED	138.4	45.38	28.6	25.98	43.4	16.69	53.3	23.69		
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.01	.0	.00		
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.00	.0	.02	.1	.03		
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00		
LAUNDRY,DRY CLEANING OPER	.1	.02	.0	.00	.0	.01	.1	.03		
MEAT CUTTERS,EXC MEATPCKNG	.5	.15	.1	.06	.1	.02	.0	.00		
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00		
OPERATIVES AND KINDRED,NEC	137.9	45.20	28.5	25.92	43.3	16.64	53.2	23.63		
SERVICE WORKERS	9.2	3.01	1.8	1.65	8.1	3.10	4.7	2.09		
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROTECTIVE SERVICE WORKERS	1.8	.60	.3	.26	.3	.10	1.0	.45		
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.01		
GUARDS,WATCHMEN,DOORKEEPRS	1.8	.59	.3	.26	.3	.10	1.0	.43		
POLICE,OTH LAW ENFORCE OFF	.1	.02	.0	.00	.0	.00	.0	.01		
FOOD SERVICE WORKERS	1.4	.45	.2	.15	1.0	.39	.3	.12		
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.02		
COOKS,EXC PRIV HOUSEHOLDS	.8	.25	.1	.08	.4	.13	.1	.06		
COUNTER AND FOUNTAIN WKRS	.2	.06	.0	.03	.1	.04	.1	.03		
WAITERS AND WAITRESSES	.4	.13	.0	.04	.6	.22	.0	.01		
OTHER SERVICE WORKERS	6.0	1.97	1.4	1.24	6.8	2.61	3.4	1.52		
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00		
ATTENDANTS,HOSP,OTHER INST	.1	.02	.0	.00	.0	.00	.0	.00		
CHARWOMEN AND CLEANERS	.3	.09	.4	.38	.5	.19	.5	.23		
JANITORS AND SEXTONS	3.3	1.09	.5	.48	2.4	.93	1.3	.57		
NURSES,PRACTICAL	.1	.02	.0	.01	.0	.00	.0	.00		
SERVICE WORKERS,NEC	2.3	.75	.4	.37	3.9	1.49	1.6	.72		
LABORERS,EXCEPT FARM AND MINE	20.2	6.63	9.4	8.56	6.2	2.37	16.9	7.52		
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	260.0	100.00	80.0	100.00	890.0	100.00	1,550.0	100.00		
PROFESSIONAL TECHNICAL,KINDRED	15.4	5.92	3.0	3.81	26.5	2.98	22.6	1.46		
ENGINEERS,TECHNICAL	2.0	.78	.2	.29	4.6	.51	1.6	.11		
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,CHEMICAL	.2	.07	.1	.11	.3	.04	.0	.00		
ENGINEERS,CIVIL	.1	.02	.0	.04	.0	.00	.0	.00		
ENGINEERS,ELECTRICAL	.1	.04	.0	.00	.1	.01	.0	.00		
ENGINEERS,INDUSTRIAL	.5	.20	.1	.08	2.1	.24	1.0	.06		
ENGINEERS,MECHANICAL	.5	.19	.0	.04	.4	.04	.2	.01		
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER ENGINEERS,TECHNICAL	.7	.25	.0	.02	1.7	.19	.5	.03		
NATURAL SCIENTISTS	3.2	1.25	.4	.54	2.5	.28	.6	.04		
CHEMISTS	1.6	.62	.4	.49	2.4	.27	.6	.04		
AGRICULTURAL SCIENTISTS	1.3	.50	.0	.00	.0	.00	.0	.00		
BIOLOGICAL SCIENTISTS	.2	.07	.0	.02	.0	.00	.0	.00		
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00		
MATHEMATICIANS	.0	.00	.0	.00	.0	.00	.0	.00		
PHYSICISTS	.0	.00	.0	.00	.1	.01	.0	.00		
OTHER NATURAL SCIENTISTS	.1	.05	.0	.03	.0	.00	.0	.00		
TECHNICIANS,EXC MEDICAL,DENT	5.5	2.13	1.0	1.27	5.3	.60	1.0	.06		
DRAFTSMEN	.3	.10	.0	.06	.1	.01	.3	.02		
SURVEYORS	.0	.01	.0	.00	.0	.00	.0	.00		
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,OTHER	5.3	2.02	1.0	1.22	5.2	.59	.6	.04		
MEDICAL,OTHER HEALTH WORKERS	.3	.11	.1	.12	.3	.04	.3	.02		
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00		
NURSES,PROFESSIONAL	.1	.04	.1	.12	.3	.04	.3	.02		
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00		
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00		
PHYSICIANS AND SURGEONS	.0	.01	.0	.00	.0	.00	.0	.00		
PSYCHOLOGISTS	.1	.04	.0	.00	.0	.00	.0	.00		
TECHNICIANS,MEDICAL,DENTAL	.0	.01	.0	.00	.0	.00	.0	.00		
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS	.0	.00	.0	.00	.1	.01	1.4	.09		
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,OTHER	.0	.00	.0	.00	.1	.01	1.4	.09		
SOCIAL SCIENTISTS	.0	.01	.0	.02	.1	.01	.1	.01		
ECONOMISTS	.0	.01	.0	.02	.0	.00	.0	.00		
STATISTICIANS + ACTUARIES	.0	.00	.0	.00	.1	.01	.1	.01		
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER PROF,TECH AND KINDRED	4.3	1.64	1.2	1.56	13.6	1.53	17.5	1.13		
ACCOUNTANTS AND AUDITORS	2.1	.82	.5	.68	2.9	.33	1.5	.10		
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.0	.00	.0	.00	.0	.00		
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00		
WRKRS IN ARTS,ENTERTAINMNT	.1	.03	.0	.04	.2	.02	.3	.02		
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00		
DESIGNERS,EXC DESIGN DRAFT	.0	.00	.0	.04	4.4	.49	9.8	.63		
EDITORS AND REPORTERS	.1	.02	.0	.03	.1	.01	.2	.01		
LAWYERS AND JUDGES	.0	.01	.0	.00	.1	.01	.2	.02		
LIBRARIANS	.0	.00	.0	.02	.0	.00	.0	.00		
PERSONNEL AND LAB REL WRKS	.6	.21	.2	.21	1.6	.18	2.2	.14		
PHOTOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00		
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROF,TECH,KINDRED,NEC	1.4	.55	.4	.54	4.4	.49	3.2	.21		
MANAGERS,OFFICIALS,PROPRIETORS	23.8	9.16	5.1	6.41	35.6	4.00	58.1	3.75		
CONDUCTORS,RAILROAD	.0	.01	.0	.00	.0	.00	.0	.00		
CREDITMEN	.4	.14	.1	.14	.2	.02	1.3	.09		
OFFICERS,PILOTS,ENGRS,SHIP	.0	.01	.0	.00	.0	.00	.0	.00		
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00		
PURCHASING AGENTS	1.4	.54	.9	1.18	1.1	.12	1.8	.12		
MANAGERS,OFFICE,PROP. NEC	22.0	8.46	4.1	5.09	34.3	3.86	55.0	3.55		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	39.0	15.02	8.3	10.41	79.5	8.93	125.5	8.10		
STENOS,TYPISTS,SECRETARIES	8.7	3.33	2.1	2.67	18.6	2.09	20.0	1.29		
OFFICE MACHINE OPERATORS	3.8	1.47	.6	.74	4.6	.51	8.3	.53		
OTHER CLERICAL,KINDRED WRKRS	26.5	10.21	5.6	7.00	56.3	6.33	97.2	6.27		
ACCOUNTING CLERKS	1.7	.65	.4	.55	2.1	.24	3.3	.21		
BOOKKEEPERS,HAND	2.4	.92	.1	.09	4.3	.48	11.8	.76		
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00		
CASHIERS	.8	.32	.0	.00	.1	.01	.3	.02		
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00		
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00		
SHIPPING,RECEIVING CLERKS	4.0	1.52	.4	.53	11.7	1.32	27.2	1.75		
TELEPHONE OPERATORS	.6	.23	.0	.05	.9	.10	1.6	.10		
CLERICAL AND KINDRED,NEC	17.1	6.58	4.6	5.78	37.2	4.18	53.2	3.43		
SALES WORKERS	14.5	5.58	4.4	5.48	12.3	1.39	32.1	2.07		
CRAFTSMEN,FOREMEN AND KINDRED	38.9	14.95	13.4	16.79	117.0	13.14	84.4	5.45		
CONSTRUCTION CRAFTSMEN	3.8	1.47	1.2	1.47	5.0	.56	1.3	.08		
CARPENTERS	1.0	.39	.3	.38	1.1	.12	.5	.03		
BRICKMASONS AND TILE SETRS	.2	.06	.0	.00	.1	.01	.0	.00		
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTRICIANS	1.2	.47	.4	.45	3.0	.34	.4	.02		
EXCAVATNG,GRADNG MACH OPER	.3	.10	.0	.00	.1	.01	.1	.01		
PAINTERS AND PAPERHANGERS	.0	.02	.0	.03	.1	.01	.0	.00		
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00		
PLUMBERS AND PIPEFITTERS	1.1	.43	.5	.59	.6	.07	.2	.01		
ROOFERS AND SLATERS	.0	.00	.0	.03	.1	.01	.0	.00		
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.2	.01		
FOREMEN NEC	14.0	5.37	4.7	5.91	43.3	4.86	47.9	3.09		
METALWKNG CRAFTS EXC MECH	2.0	.75	1.6	2.06	3.1	.35	1.9	.12		
MACHINISTS AND RELATED OCC	.9	.35	1.3	1.59	2.5	.28	.6	.04		
BLKSMITHS,FORGMN,HAMMERMEN	.1	.05	.0	.00	.0	.00	.0	.00		
BOILERMAKERS	.1	.04	.0	.00	.1	.01	.0	.00		
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00		
MILLWRIGHTS	.6	.23	.1	.19	.3	.03	.2	.01		
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00		
PATTERNMAKERS,METAL,WOOD	.0	.01	.0	.04	.2	.02	.6	.04		
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00		
SHEET METAL WORKERS	.2	.07	.2	.19	.1	.01	.0	.00		
TOOLMAKERS AND DIEMAKERS	.0	.01	.0	.05	.0	.00	.5	.03		
PRINTING TRADES CRAFTSMEN	.2	.06	.1	.10	.6	.06	1.1	.07		
COMPOSITORS,TYPESETTERS	.1	.04	.0	.00	.2	.02	.8	.05		
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.06	.0	.00	.0	.00		
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.3	.03	.1	.01		
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00		
PRESSMEN,PLATE PRINTERS	.1	.02	.0	.04	.1	.01	.1	.01		
TRANSPORT AND PUB UTIL CRAFT	.0	.01	.0	.00	.3	.03	.0	.00		
LINEMEN AND SERVICEMEN	.0	.00	.0	.00	.3	.03	.0	.00		
LOCOMOTIVE ENGINEERS	.0	.01	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
MECHANICS AND REPAIRMEN	13.9	5.36	4.3	5.37	38.6	4.34	15.4	1.00		
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.00		
MOTOR VEHICLE MECHANICS	1.5	.56	.0	.00	.1	.01	.0	.00		
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
RR AND CAR SHOP MECHANICS	.0	.01	.0	.00	.0	.00	.0	.00		
OTHER MECHANICS AND REPAIR	12.5	4.79	4.3	5.37	38.5	4.32	15.4	1.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	5.0	1.91	1.5	1.88	26.2	2.95	16.9	1.09		
BAKERS	.6	.22	.0	.00	.0	.00	.0	.00		
CABINETMAKERS	.0	.00	.0	.00	.1	.02	.0	.00		
CRANE,DERRICK,HOIST MEN	.4	.16	.0	.00	.2	.03	.0	.00		
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00		
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOOM FIXERS	.0	.00	.0	.00	23.4	2.62	.4	.02		
OPTICIANS,LENS GRINDERS	.0	.00	.0	.02	.0	.00	.0	.00		
INSPECTORS,LOG AND LUMBER	.0	.01	.0	.00	.0	.00	.0	.00		
INSPECTORS,OTHER	.1	.05	1.0	1.31	.1	.01	.0	.00		
UPHOLSTERERS	.0	.00	.0	.02	.5	.06	1.2	.08		
CRAFTSMEN AND KINDRED NEC	3.8	1.48	.4	.54	1.9	.21	15.3	.99		
OPERATIVES AND KINDRED WORKERS	104.1	40.04	37.2	46.51	574.0	64.50	1,198.2	77.31		
DRIVERS,OTHER TRAN AND PU OP	21.4	8.24	.8	1.03	6.2	.69	10.3	.67		
DRIVERS,BUS,TRUCK,TRACTOR	15.0	5.78	.5	.64	5.8	.65	3.4	.22		
DELIVERYMEN AND ROUTEMEN	6.3	2.43	.3	.39	.3	.03	4.1	.26		
BRAKEMEN AND SWITCHMEN RR	.1	.02	.0	.00	.0	.00	.0	.00		
POWER STATION OPERATORS	.0	.01	.0	.00	.1	.01	2.8	.18		
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.1	.01		
SEMISKILLED METALWORKING OCC	1.1	.43	.2	.23	1.2	.13	.8	.05		
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00		
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00		
WELDERS AND FLAME-CUTTERS	1.1	.43	.2	.23	1.2	.13	.8	.05		
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00		
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	172.7	19.41	680.7	43.91		
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	43.5	4.89	.0	.00		
SPINNERS,TEXTILE	.0	.00	.0	.00	28.3	3.18	.2	.01		
WEAVERS,TEXTILE	.0	.00	.0	.00	38.0	4.27	.7	.04		
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	63.0	7.07	679.8	43.86		
OTHER OPERATIVES AND KINDRED	81.6	31.37	36.2	45.25	394.0	44.26	506.4	32.67		
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.00	.0	.00		
ATTEND,AUTO SERVICE,PARKNG	.0	.02	.0	.00	.0	.00	.0	.00		
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00		
LAUNDRY,DRY CLEANING OPER	.1	.03	.0	.00	.2	.02	1.2	.08		
MEAT CUTTERS,EXC MEATPCKNG	.3	.10	.0	.00	.2	.02	.0	.00		
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00		
OPERATIVES AND KINDRED,NEC	81.2	31.22	36.2	45.25	393.6	44.23	505.2	32.59		
SERVICE WORKERS	9.3	3.56	3.5	4.33	14.9	1.67	18.1	1.17		
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROTECTIVE SERVICE WORKERS	2.0	.78	.5	.59	3.4	.38	2.7	.17		
FIREMEN	.1	.03	.0	.00	.0	.00	.0	.00		
GUARDS,WATCHMEN,DOORKEEPRS	1.9	.75	.5	.59	3.2	.36	2.7	.17		
POLICE,OTH LAW ENFORCE OFF	.0	.00	.0	.00	.2	.02	.0	.00		
FOOD SERVICE WORKERS	1.2	.46	.2	.26	.5	.05	.8	.05		
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00		
COOKS,EXC PRIV HOUSEHOLDS	.8	.30	.1	.16	.1	.01	.2	.01		
COUNTER AND FOUNTAIN WKRS	.3	.12	.0	.04	.1	.01	.2	.02		
WAITERS AND WAITRESSES	.1	.05	.1	.06	.3	.04	.4	.02		
OTHER SERVICE WORKERS	6.0	2.32	2.8	3.48	11.0	1.24	14.7	.95		
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00		
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00		
CHARWOMEN AND CLEANERS	.4	.16	1.0	1.25	3.5	.39	2.0	.13		
JANITORS AND SEXTONS	2.0	.75	.9	1.11	4.4	.49	5.9	.38		
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
SERVICE WORKERS,NEC	3.7	1.41	.9	1.13	3.2	.36	6.8	.44		
LABORERS,EXCEPT FARM AND MINE	15.0	5.78	5.0	6.27	30.2	3.39	10.9	.71		
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PAPER AND ALLIED PRODUCTS		PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	790.0	100.00	305.0	100.00	265.0	100.00	220.0	100.00	1,365.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	57.9	7.33	27.6	9.05	16.1	6.06	14.3	6.50	143.3	10.50
ENGINEERS,TECHNICAL	16.4	2.07	6.9	2.26	4.9	1.84	4.6	2.10	2.0	.15
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	1.3	.17	1.2	.39	.0	.01	.1	.04	.0	.00
ENGINEERS,CIVIL	.5	.06	.2	.06	.2	.08	.0	.02	.0	.00
ENGINEERS,ELECTRICAL	.8	.10	.5	.15	.1	.02	.3	.15	.3	.02
ENGINEERS,INDUSTRIAL	4.1	.51	1.2	.39	1.2	.45	1.7	.76	.9	.07
ENGINEERS,MECHANICAL	3.8	.48	1.7	.57	1.4	.55	.6	.26	.3	.02
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	6.0	.76	2.1	.69	1.9	.73	1.9	.88	.5	.04
NATURAL SCIENTISTS	6.1	.78	4.0	1.30	.5	.21	1.6	.74	.3	.02
CHEMISTS	4.6	.58	2.9	.96	.5	.21	1.1	.51	.3	.02
AGRICULTURAL SCIENTISTS	1.0	.13	1.0	.33	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.4	.05	.0	.00	.0	.00	.4	.18	.0	.00
PHYSICISTS	.1	.01	.0	.00	.0	.00	.1	.05	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	13.5	1.71	8.3	2.72	2.8	1.07	2.4	1.11	5.5	.40
DRAFTSMEN	3.0	.38	1.0	.34	1.2	.47	.7	.31	2.4	.18
SURVEYORS	.1	.01	.1	.03	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.1	.01	.1	.02	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	10.4	1.32	7.1	2.32	1.6	.60	1.7	.79	3.1	.23
MEDICAL,OTHER HEALTH WORKERS	.7	.09	.6	.19	.1	.04	.1	.03	.4	.03
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.7	.08	.5	.16	.1	.04	.1	.03	.3	.02
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
PSYCHOLOGISTS	.1	.01	.1	.02	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
SOCIAL SCIENTISTS	.7	.09	.3	.10	.2	.09	.2	.10	1.2	.09
ECONOMISTS	.3	.04	.1	.05	.0	.02	.1	.05	.1	.01
STATISTICIANS + ACTUARIES	.4	.05	.1	.05	.1	.05	.1	.05	.0	.00
OTHER SOCIAL SCIENTISTS	.1	.01	.0	.00	.1	.02	.0	.00	1.1	.08
OTHER PROF,TECH AND KINDRED	20.4	2.58	7.6	2.49	7.5	2.82	5.3	2.42	133.7	9.80
ACCOUNTANTS AND AUDITORS	6.5	.82	2.5	.81	2.4	.89	1.6	.75	5.4	.40
AIRPLANE PILOTS,NAVIGATORS	.2	.02	.0	.01	.1	.03	.0	.02	.0	.00
ARCHITECTS	.1	.02	.0	.00	.0	.01	.1	.04	.2	.01
WRKRS IN ARTS,ENTERTAINMNT	2.0	.26	.2	.06	.4	.15	1.4	.65	21.2	1.55
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	2.7	.34	.2	.06	2.2	.82	.3	.14	1.5	.11
EDITORS AND REPORTERS	.1	.02	.1	.03	.0	.00	.0	.02	77.6	5.69
LAWYERS AND JUDGES	.1	.02	.0	.00	.1	.02	.1	.03	.2	.02
LIBRARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.3	.02
PERSONNEL AND LAB REL WRKS	2.6	.33	.9	.30	1.0	.38	.7	.31	1.4	.10
PHOTOGRAPHERS	.1	.02	.1	.02	.0	.02	.0	.02	16.7	1.22
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	5.9	.75	3.6	1.20	1.3	.49	.9	.43	9.2	.67
MANAGERS,OFFICIALS,PROPRIETORS	37.7	4.78	15.0	4.91	11.5	4.34	11.2	5.11	134.7	9.87
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.3	.04	.0	.01	.2	.09	.1	.03	.0	.00
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	1.1	.08
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	1.6	.20	.9	.30	.3	.13	.3	.15	.9	.06
MANAGERS,OFFICE,PROP. NEC	35.8	4.53	14.0	4.60	10.9	4.12	10.8	4.93	132.7	9.72

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PAPER AND ALLIED PRODUCTS		PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	92.2	11.67	29.8	9.76	32.0	12.07	30.4	13.82	259.9	19.04
STENOS,TYPISTS,SECRETARIES	24.5	3.10	9.7	3.17	7.8	2.94	7.0	3.20	69.1	5.07
OFFICE MACHINE OPERATORS	5.2	.65	1.5	.50	1.6	.61	2.0	.92	10.3	.76
OTHER CLERICAL,KINDRED WRKRS	62.5	7.91	18.6	6.09	22.6	8.52	21.3	9.70	180.4	13.22
ACCOUNTING CLERKS	2.2	.28	.8	.26	.9	.33	.5	.24	7.5	.55
BOOKKEEPERS,HAND	1.3	.16	.0	.00	.7	.26	.6	.25	9.6	.70
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.1	.02	.0	.01	.1	.02	.1	.03	.7	.05
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	12.0	1.51	2.9	.96	4.9	1.86	4.1	1.86	10.3	.76
TELEPHONE OPERATORS	1.9	.24	.6	.19	.7	.27	.6	.26	4.7	.34
CLERICAL AND KINDRED,NEC	45.1	5.70	14.2	4.67	15.3	5.77	15.5	7.06	147.6	10.81
SALES WORKERS	23.9	3.02	5.7	1.86	8.9	3.35	9.3	4.24	265.0	19.42
CRAFTSMEN,FOREMEN AND KINDRED	162.6	20.58	74.9	24.56	46.4	17.50	41.3	18.76	348.7	25.55
CONSTRUCTION CRAFTSMEN	19.7	2.49	14.8	4.86	1.8	.70	3.0	1.37	2.5	.19
CARPENTERS	2.3	.29	1.5	.51	.2	.07	.5	.25	.3	.02
BRICKMASONS AND TILE SETRS	.3	.04	.2	.08	.0	.00	.0	.02	.1	.01
CEMENT,CONCRETE FINISHERS	.1	.01	.0	.00	.0	.01	.0	.02	.0	.00
ELECTRICIANS	8.2	1.04	5.5	1.80	1.3	.49	1.4	.65	1.2	.09
EXCAVATNG,GRADNG MACH OPER	.8	.10	.7	.24	.1	.02	.0	.01	.1	.01
PAINTERS AND PAPERHANGERS	.3	.04	.2	.06	.1	.02	.1	.04	.2	.02
PLASTERERS	.0	.01	.0	.01	.0	.00	.0	.00	.2	.01
PLUMBERS AND PIPEFITTERS	7.5	.95	6.5	2.15	.2	.07	.8	.36	.3	.02
ROOFERS AND SLATERS	.1	.01	.0	.00	.0	.01	.0	.02	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
FOREMEN NEC	49.0	6.20	18.9	6.20	17.1	6.44	13.0	5.90	33.2	2.44
METALWKNG CRAFTS EXC MECH	21.6	2.74	14.4	4.71	4.0	1.51	3.3	1.48	5.3	.38
MACHINISTS AND RELATED OCC	6.4	.81	3.2	1.05	1.5	.58	1.6	.74	4.4	.32
BLKSMITHS,FORGMN,HAMMERMEN	.2	.02	.1	.05	.0	.00	.1	.02	.0	.00
BOILERMAKERS	.2	.02	.1	.04	.0	.00	.1	.03	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	11.5	1.46	10.0	3.29	.4	.15	1.1	.50	.1	.01
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.2	.03	.1	.03	.1	.02	.1	.04	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.6	.08	.5	.18	.0	.01	.0	.02	.2	.01
TOOLMAKERS AND DIEMAKERS	2.5	.31	.2	.07	2.0	.74	.3	.13	.6	.04
PRINTING TRADES CRAFTSMEN	16.3	2.07	.9	.29	7.9	2.99	7.5	3.41	265.2	19.43
COMPOSITORS,TYPESETTERS	9.4	1.19	.5	.16	4.4	1.68	4.4	2.02	120.2	8.81
ELECTROTYPERS,STEREOTYPERS	.1	.01	.0	.00	.1	.02	.0	.02	4.5	.33
ENGRAVERS EXC PHOTOENGRVER	.5	.07	.0	.01	.0	.02	.5	.21	7.5	.55
PHOTOENGRVRS,LITHOGRAPHERS	.5	.06	.1	.02	.2	.08	.2	.08	51.0	3.74
PRESSMEN,PLATE PRINTERS	5.9	.74	.3	.10	3.2	1.20	2.4	1.09	82.0	6.01
TRANSPORT AND PUB UTIL CRAFT	.2	.02	.1	.03	.0	.01	.1	.03	.2	.01
LINEMEN AND SERVICEMEN	.0	.00	.0	.00	.0	.00	.0	.00	.2	.01
LOCOMOTIVE ENGINEERS	.2	.02	.1	.03	.0	.01	.1	.03	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	43.1	5.46	16.7	5.46	13.4	5.06	13.1	5.94	14.9	1.09
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.5	.06	.2	.07	.2	.06	.1	.05	.1	.01
OFFICE MACHINE MECHANICS	.1	.01	.0	.00	.0	.00	.1	.04	.2	.02
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RR AND CAR SHOP MECHANICS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	42.5	5.38	16.4	5.37	13.3	5.00	12.8	5.84	14.6	1.07

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PAPER AND ALLIED PRODUCTS		PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	12.6	1.60	9.2	3.00	2.1	.79	1.4	.63	27.4	2.01
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.1	.01	.0	.01	.0	.01	.0	.00	.4	.03
CRANE,DERRICK,HOIST MEN	3.3	.42	2.8	.90	.5	.20	.1	.03	.3	.02
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	1.4	.18	1.4	.47	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.1	.01	.1	.02	.0	.00	.0	.00	.0	.00
UPHOLSTERERS	.2	.02	.0	.00	.0	.00	.2	.08	.0	.00
CRAFTSMEN AND KINDRED NEC	7.5	.96	4.9	1.59	1.6	.59	1.1	.52	26.7	1.96
OPERATIVES AND KINDRED WORKERS	370.4	46.89	130.5	42.80	135.4	51.08	104.5	47.51	180.6	13.23
DRIVERS,OTHER TRAN AND PU OP	16.9	2.13	6.8	2.22	7.8	2.95	2.3	1.03	21.8	1.59
DRIVERS,BUS,TRUCK,TRACTOR	15.2	1.92	6.3	2.06	6.9	2.60	2.0	.91	9.8	.71
DELIVERYMEN AND ROUTEMEN	1.1	.14	.0	.01	.9	.34	.1	.06	12.0	.88
BRAKEMEN AND SWITCHMEN RR	.2	.02	.2	.05	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.5	.06	.3	.10	.0	.01	.1	.06	.0	.00
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	4.4	.55	3.4	1.12	.3	.12	.6	.29	.2	.01
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	4.4	.55	3.4	1.12	.3	.12	.6	.29	.2	.01
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	1.6	.20	.0	.01	.0	.00	1.5	.70	.7	.05
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.01	.0	.01	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	1.5	.19	.0	.00	.0	.00	1.5	.70	.7	.05
OTHER OPERATIVES AND KINDRED	347.6	44.00	120.3	39.45	127.2	48.01	100.1	45.49	157.9	11.57
ASBESTOS,INSULATION WKRS	.1	.01	.1	.03	.0	.01	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.00	.0	.01	.0	.00	.1	.01
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	347.5	43.98	120.2	39.41	127.2	47.99	100.1	45.49	157.8	11.56
SERVICE WORKERS	15.8	2.00	7.2	2.37	4.6	1.74	3.9	1.79	17.7	1.30
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	4.2	.54	2.3	.75	.7	.28	1.2	.55	1.5	.11
FIREMEN	.1	.02	.0	.01	.1	.02	.0	.02	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	4.1	.52	2.2	.73	.7	.26	1.2	.53	1.3	.10
POLICE,OTH LAW ENFORCE OFF	.0	.00	.0	.01	.0	.00	.0	.00	.1	.01
FOOD SERVICE WORKERS	.7	.09	.5	.17	.1	.04	.1	.05	.4	.03
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.4	.05	.3	.09	.1	.02	.0	.01	.2	.01
COUNTER AND FOUNTAIN WKRS	.2	.02	.1	.02	.0	.02	.0	.02	.1	.01
WAITERS AND WAITRESSES	.2	.03	.1	.05	.0	.00	.1	.02	.2	.01
OTHER SERVICE WORKERS	10.8	1.37	4.4	1.45	3.8	1.42	2.6	1.19	15.8	1.16
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	1.0	.13	.7	.23	.2	.08	.1	.06	1.5	.11
JANITORS AND SEXTONS	7.0	.89	2.6	.85	2.4	.92	2.0	.90	6.6	.49
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	2.7	.35	1.1	.37	1.1	.42	.5	.23	7.6	.56
LABORERS,EXCEPT FARM AND MINE	29.5	3.74	14.3	4.70	10.2	3.86	5.0	2.26	15.1	1.11
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	CHEMICALS AND ALLIED PRODUCTS		SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	1,140.0	100.00	120.0	100.00	175.0	100.00	85.0	100.00	760.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	288.4	25.30	25.7	21.41	62.2	35.52	15.9	18.67	184.7	24.30
ENGINEERS,TECHNICAL	62.2	5.46	8.1	6.77	3.3	1.90	1.6	1.91	49.1	6.47
ENGINEERS,AERONAUTICAL	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
ENGINEERS,CHEMICAL	28.5	2.50	1.5	1.23	1.1	.63	.9	1.06	25.0	3.29
ENGINEERS,CIVIL	2.5	.22	.1	.08	.1	.05	.0	.05	2.3	.31
ENGINEERS,ELECTRICAL	2.7	.23	.2	.20	.1	.06	.0	.00	2.3	.31
ENGINEERS,INDUSTRIAL	6.9	.60	1.8	1.52	.8	.46	.2	.20	4.1	.54
ENGINEERS,MECHANICAL	12.1	1.06	2.7	2.25	.7	.40	.0	.05	8.7	1.14
ENGINEERS,METALLURG,ETC	1.7	.15	.0	.00	.0	.00	.0	.00	1.7	.23
ENGINEERS,MINING	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
OTHER ENGINEERS,TECHNICAL	7.6	.67	1.8	1.49	.5	.30	.5	.56	4.8	.64
NATURAL SCIENTISTS	96.2	8.44	6.3	5.22	28.9	16.54	8.0	9.47	53.0	6.97
CHEMISTS	69.3	6.08	3.8	3.20	12.7	7.24	8.0	9.40	44.8	5.90
AGRICULTURAL SCIENTISTS	2.6	.23	.0	.00	.9	.51	.0	.00	1.7	.22
BIOLOGICAL SCIENTISTS	11.1	.97	.0	.00	8.8	5.04	.0	.00	2.2	.30
GEOLOGISTS,GEOPHYSICISTS	.5	.04	.0	.00	.0	.00	.0	.00	.5	.07
MATHEMATICIANS	1.9	.17	.0	.00	.4	.20	.0	.00	1.6	.20
PHYSICISTS	2.1	.18	.1	.11	.1	.03	.1	.07	1.9	.24
OTHER NATURAL SCIENTISTS	8.7	.77	2.3	1.90	6.2	3.52	.0	.00	.3	.04
TECHNICIANS,EXC MEDICAL,DENT	78.4	6.88	6.6	5.52	15.3	8.77	4.5	5.35	51.9	6.83
DRAFTSMEN	6.5	.57	.4	.29	.5	.29	.1	.12	5.5	.72
SURVEYORS	.1	.01	.0	.00	.0	.00	.0	.03	.1	.01
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	71.8	6.30	6.3	5.23	14.8	8.48	4.4	5.19	46.3	6.09
MEDICAL,OTHER HEALTH WORKERS	4.7	.41	.2	.18	2.7	1.53	.0	.02	1.8	.24
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
NURSES,PROFESSIONAL	1.3	.12	.2	.13	.2	.13	.0	.02	1.0	.13
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	1.6	.14	.0	.00	1.6	.90	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.6	.05	.0	.02	.4	.22	.0	.00	.2	.02
PSYCHOLOGISTS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
TECHNICIANS,MEDICAL,DENTAL	.6	.05	.0	.03	.2	.10	.0	.00	.4	.05
VETERINARIANS	.3	.03	.0	.00	.3	.18	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.02
TEACHERS	.1	.01	.0	.00	.0	.00	.0	.03	.1	.01
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.1	.01	.0	.00	.0	.00	.0	.03	.1	.01
SOCIAL SCIENTISTS	1.5	.13	.0	.03	.6	.35	.1	.07	.8	.11
ECONOMISTS	.7	.06	.0	.02	.2	.12	.0	.02	.5	.06
STATISTICIANS + ACTUARIES	.7	.06	.0	.02	.3	.17	.0	.06	.4	.05
OTHER SOCIAL SCIENTISTS	.1	.01	.0	.00	.1	.06	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	45.2	3.96	4.4	3.68	11.3	6.44	1.6	1.83	28.0	3.68
ACCOUNTANTS AND AUDITORS	13.1	1.15	.5	.45	2.2	1.26	1.0	1.21	9.3	1.23
AIRPLANE PILOTS,NAVIGATORS	.4	.03	.0	.00	.0	.00	.0	.00	.4	.05
ARCHITECTS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
WRKRS IN ARTS,ENTERTAINMNT	2.0	.18	.0	.00	.6	.35	.0	.04	1.4	.18
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	1.0	.09	.0	.00	.2	.10	.0	.00	.8	.11
EDITORS AND REPORTERS	1.0	.09	.2	.17	.7	.38	.0	.03	.2	.02
LAWYERS AND JUDGES	.7	.06	.1	.09	.2	.14	.0	.02	.4	.05
LIBRARIANS	.6	.05	.0	.00	.1	.03	.0	.02	.5	.07
PERSONNEL AND LAB REL WRKS	4.5	.40	.5	.45	.8	.44	.1	.15	3.1	.40
PHOTOGRAPHERS	.8	.07	.0	.00	.1	.04	.0	.00	.8	.10
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	20.9	1.83	3.0	2.52	6.4	3.68	.3	.35	11.1	1.46
MANAGERS,OFFICIALS,PROPRIETORS	79.8	7.00	1.9	1.55	15.3	8.73	10.1	11.87	52.6	6.92
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	1.3	.11	.0	.00	.3	.14	.4	.42	.7	.09
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	5.4	.47	.1	.07	.5	.28	.4	.52	4.4	.57
MANAGERS,OFFICE,PROP. NEC	73.2	6.42	1.8	1.48	14.5	8.31	9.3	10.94	47.6	6.26

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	CHEMICALS AND ALLIED PRODUCTS		SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	160.4	14.07	8.1	6.72	31.6	18.08	15.9	18.75	104.7	13.78
STENOS,TYPISTS,SECRETARIES	59.1	5.19	2.5	2.06	15.9	9.08	4.4	5.14	36.4	4.79
OFFICE MACHINE OPERATORS	13.0	1.14	.7	.60	2.9	1.63	2.0	2.38	7.4	.98
OTHER CLERICAL,KINDRED WRKRS	88.2	7.73	4.9	4.06	12.9	7.36	9.5	11.23	60.9	8.01
ACCOUNTING CLERKS	8.0	.70	.6	.48	1.3	.76	1.1	1.26	5.0	.66
BOOKKEEPERS,HAND	2.9	.26	.0	.00	.3	.16	.8	.90	1.9	.25
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.4	.04	.0	.03	.1	.04	.1	.14	.2	.03
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	12.8	1.12	.4	.31	3.0	1.73	2.6	3.02	6.8	.89
TELEPHONE OPERATORS	2.3	.20	.1	.10	.3	.17	.4	.49	1.4	.19
CLERICAL AND KINDRED,NEC	61.8	5.42	3.8	3.13	7.9	4.50	4.6	5.44	45.5	5.99
SALES WORKERS	37.4	3.28	.7	.61	8.1	4.60	7.1	8.41	21.5	2.82
CRAFTSMEN,FOREMEN AND KINDRED	184.7	16.20	27.3	22.79	17.6	10.04	6.8	7.97	133.0	17.50
CONSTRUCTION CRAFTSMEN	30.4	2.67	3.0	2.49	2.8	1.57	.6	.76	24.0	3.16
CARPENTERS	2.3	.20	.4	.37	.2	.13	.1	.09	1.5	.20
BRICKMASONS AND TILE SETRS	.7	.06	.0	.00	.1	.05	.0	.00	.6	.08
CEMENT,CONCRETE FINISHERS	.2	.02	.0	.00	.0	.00	.0	.00	.2	.03
ELECTRICIANS	10.4	.91	1.4	1.16	1.3	.75	.2	.24	7.5	.99
EXCAVATNG,GRADNG MACH OPER	2.1	.18	.0	.03	.0	.02	.0	.04	2.0	.26
PAINTERS AND PAPERHANGERS	.6	.05	.0	.03	.2	.10	.1	.10	.3	.04
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	13.8	1.21	1.1	.89	.9	.53	.3	.30	11.6	1.53
ROOFERS AND SLATERS	.2	.02	.0	.01	.0	.00	.0	.00	.2	.03
STRUCTURAL METALWORKERS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
FOREMEN NEC	64.6	5.67	9.0	7.48	7.0	4.01	3.2	3.76	45.4	5.98
METALWKNG CRAFTS EXC MECH	14.6	1.28	2.7	2.26	.5	.28	.3	.32	11.1	1.46
MACHINISTS AND RELATED OCC	5.8	.50	.8	.64	.0	.00	.1	.07	4.9	.65
BLKSMITHS,FORGMN,HAMMERMEN	.5	.05	.0	.02	.0	.00	.0	.00	.5	.07
BOILERMAKERS	1.2	.11	.1	.04	.0	.00	.0	.00	1.2	.15
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	5.1	.45	1.4	1.14	.0	.02	.2	.20	3.5	.47
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.2	.02	.0	.00	.0	.00	.0	.00	.2	.03
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	1.4	.12	.5	.42	.5	.26	.0	.02	.4	.05
TOOLMAKERS AND DIEMAKERS	.4	.04	.0	.00	.0	.00	.0	.03	.4	.05
PRINTING TRADES CRAFTSMEN	1.3	.11	.0	.00	.6	.37	.1	.17	.5	.06
COMPOSITORS,TYPESETTERS	.9	.08	.0	.00	.5	.30	.1	.09	.3	.03
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.1	.01	.0	.00	.0	.00	.1	.08	.0	.00
PRESSMEN,PLATE PRINTERS	.3	.03	.0	.00	.1	.07	.0	.00	.2	.03
TRANSPORT AND PUB UTIL CRAFT	.3	.03	.0	.00	.0	.00	.0	.00	.3	.04
LINEMEN AND SERVICEMEN	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
LOCOMOTIVE ENGINEERS	.2	.02	.0	.00	.0	.00	.0	.00	.2	.03
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	59.3	5.20	9.9	8.24	5.6	3.23	1.7	1.96	42.1	5.54
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.8	.07	.1	.07	.1	.06	.0	.03	.6	.08
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	58.5	5.13	9.8	8.17	5.5	3.17	1.6	1.93	41.5	5.46

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	CHEMICALS AND ALLIED PRODUCTS		SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	14.1	1.24	2.8	2.32	1.0	.58	.8	.99	9.5	1.25
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
CRANE,DERRICK,HOIST MEN	2.0	.17	.1	.11	.0	.00	.0	.02	1.8	.24
GLAZIERS	.3	.03	.0	.00	.0	.00	.3	.36	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.1	.00	.1	.05	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.8	.07	.0	.00	.1	.04	.0	.05	.7	.10
UPHOLSTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CRAFTSMEN AND KINDRED NEC	10.9	.96	2.6	2.16	.9	.54	.5	.56	6.9	.91
OPERATIVES AND KINDRED WORKERS	342.2	30.01	50.6	42.15	32.9	18.78	23.6	27.80	235.1	30.93
DRIVERS,OTHER TRAN AND PU OP	20.9	1.83	1.3	1.09	1.4	.81	1.1	1.31	17.0	2.24
DRIVERS,BUS,TRUCK,TRACTOR	16.7	1.46	.8	.70	1.0	.57	.9	1.12	13.9	1.83
DELIVERYMEN AND ROUTEMEN	3.0	.26	.0	.03	.4	.24	.2	.20	2.3	.31
BRAKEMEN AND SWITCHMEN RR	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
POWER STATION OPERATORS	1.1	.10	.4	.36	.0	.00	.0	.00	.7	.09
SAILORS AND DECKHANDS	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
SEMISKILLED METALWORKING OCC	9.3	.81	1.2	.96	.3	.17	.1	.06	7.8	1.02
FURNACEMN,SMELTRMN,POURERS	.2	.01	.0	.00	.0	.00	.0	.00	.2	.02
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	9.1	.80	1.2	.96	.3	.17	.1	.06	7.6	1.00
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	2.0	.18	2.0	1.70	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	1.9	.16	1.9	1.56	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.2	.02	.2	.15	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	310.0	27.19	46.1	38.40	31.2	17.80	22.5	26.43	210.3	27.67
ASBESTOS,INSULATION WKRS	1.6	.14	.3	.28	.2	.11	.0	.03	1.0	.13
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.00	.0	.02	.0	.00	.0	.00
BLASTERS AND POWDERMEN	.2	.02	.0	.00	.0	.00	.0	.00	.2	.02
LAUNDRY,DRY CLEANING OPER	.2	.01	.1	.07	.0	.00	.0	.00	.1	.01
MEAT CUTTERS,EXC MEATPCKNG	.1	.01	.0	.00	.0	.00	.0	.00	.1	.01
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	308.0	27.02	45.7	38.05	30.9	17.67	22.4	26.40	209.0	27.50
SERVICE WORKERS	22.3	1.96	3.2	2.69	4.8	2.74	1.3	1.52	13.0	1.71
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	6.1	.54	.9	.75	1.2	.67	.6	.68	3.5	.46
FIREMEN	.2	.01	.0	.00	.0	.00	.0	.00	.2	.02
GUARDS,WATCHMEN,DOORKEEPRS	5.7	.50	.8	.68	1.2	.67	.6	.68	3.2	.41
POLICE,OTH LAW ENFORCE OFF	.3	.02	.1	.07	.0	.00	.0	.00	.2	.02
FOOD SERVICE WORKERS	2.4	.21	.3	.23	.3	.17	.0	.03	1.8	.24
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.6	.05	.0	.02	.1	.04	.0	.00	.5	.06
COUNTER AND FOUNTAIN WKRS	1.1	.10	.2	.15	.2	.10	.0	.03	.7	.10
WAITERS AND WAITRESSES	.8	.07	.1	.06	.1	.04	.0	.00	.6	.08
OTHER SERVICE WORKERS	13.7	1.20	2.0	1.71	3.3	1.89	.7	.81	7.7	1.01
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	1.7	.15	.1	.09	.2	.12	.1	.12	1.2	.16
JANITORS AND SEXTONS	5.7	.50	1.1	.95	1.4	.78	.3	.34	2.9	.39
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	6.3	.55	.8	.67	1.7	1.00	.3	.34	3.5	.46
LABORERS,EXCEPT FARM AND MINE	24.9	2.18	2.5	2.08	2.6	1.51	4.3	5.01	15.5	2.04
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PETROLEUM REFINING AND COAL PRODUCTS		PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	160.0	100.00	130.0	100.00	30.0	100.00	590.0	100.00	315.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	39.4	24.61	37.1	28.52	2.3	7.64	36.8	6.23	21.9	6.94
ENGINEERS,TECHNICAL	11.3	7.07	10.7	8.22	.6	2.06	10.6	1.79	6.0	1.91
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	5.2	3.25	5.0	3.88	.2	.54	1.5	.25	.6	.20
ENGINEERS,CIVIL	1.1	.70	1.1	.82	.1	.18	.1	.02	.1	.02
ENGINEERS,ELECTRICAL	.5	.34	.5	.42	.0	.00	.5	.08	.2	.07
ENGINEERS,INDUSTRIAL	.7	.42	.6	.47	.0	.16	3.1	.53	2.3	.72
ENGINEERS,MECHANICAL	1.8	1.14	1.7	1.31	.1	.40	1.2	.20	.5	.17
ENGINEERS,METALLURG,ETC	.0	.02	.0	.01	.0	.08	.1	.02	.1	.03
ENGINEERS,MINING	.7	.43	.7	.52	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	1.2	.77	1.0	.79	.2	.70	4.2	.70	2.2	.71
NATURAL SCIENTISTS	6.6	4.15	6.2	4.75	.5	1.57	3.8	.64	2.6	.82
CHEMISTS	4.6	2.87	4.2	3.19	.4	1.48	3.4	.58	2.5	.78
AGRICULTURAL SCIENTISTS	.0	.01	.0	.01	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.02	.0	.02	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	1.5	.94	1.5	1.15	.0	.04	.0	.00	.0	.00
MATHEMATICIANS	.3	.19	.3	.22	.0	.02	.1	.02	.0	.00
PHYSICISTS	.2	.12	.2	.15	.0	.03	.2	.03	.1	.03
OTHER NATURAL SCIENTISTS	.0	.01	.0	.01	.0	.00	.0	.01	.0	.01
TECHNICIANS,EXC MEDICAL,DENT	9.7	6.03	9.2	7.08	.5	1.50	9.0	1.53	5.5	1.74
DRAFTSMEN	.8	.52	.7	.57	.1	.32	2.4	.40	1.2	.39
SURVEYORS	.0	.01	.0	.01	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	8.8	5.50	8.4	6.50	.4	1.18	6.7	1.13	4.2	1.35
MEDICAL,OTHER HEALTH WORKERS	.3	.17	.3	.20	.0	.05	.4	.07	.2	.07
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.1	.09	.1	.10	.0	.05	.3	.05	.2	.05
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.1	.05	.1	.06	.0	.00	.0	.00	.0	.00
PSYCHOLOGISTS	.0	.01	.0	.01	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.0	.03	.0	.03	.0	.00	.1	.01	.1	.02
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.0	.00	.0	.00	.0	.00	.1	.02	.0	.01
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.0	.00	.0	.00	.0	.00	.1	.02	.0	.01
SOCIAL SCIENTISTS	.7	.42	.6	.48	.0	.15	.2	.03	.1	.03
ECONOMISTS	.5	.29	.5	.35	.0	.07	.1	.02	.0	.01
STATISTICIANS + ACTUARIES	.2	.11	.1	.11	.0	.08	.1	.01	.1	.02
OTHER SOCIAL SCIENTISTS	.0	.02	.0	.02	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	10.8	6.76	10.1	7.79	.7	2.31	12.7	2.15	7.4	2.36
ACCOUNTANTS AND AUDITORS	4.4	2.74	4.0	3.07	.4	1.33	4.3	.74	2.6	.83
AIRPLANE PILOTS,NAVIGATORS	.3	.16	.3	.20	.0	.00	.1	.02	.1	.04
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	.2	.10	.2	.12	.0	.00	.4	.06	.3	.08
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.1	.05	.0	.03	.0	.13	1.3	.22	.1	.02
EDITORS AND REPORTERS	.1	.06	.1	.07	.0	.00	.1	.02	.1	.02
LAWYERS AND JUDGES	.4	.27	.4	.32	.0	.07	.1	.02	.1	.02
LIBRARIANS	.1	.04	.1	.06	.0	.00	.0	.00	.0	.00
PERSONNEL AND LAB REL WRKS	.9	.53	.8	.62	.0	.15	1.6	.27	.6	.21
PHOTOGRAPHERS	.1	.03	.1	.04	.0	.00	.1	.02	.1	.02
SOCIAL AND WELFARE WORKERS	.0	.01	.0	.01	.0	.00	.0	.00	.0	.01
PROF,TECH,KINDRED,NEC	4.4	2.76	4.2	3.25	.2	.62	4.6	.78	3.5	1.11
MANAGERS,OFFICIALS,PROPRIETORS	10.8	6.72	8.2	6.30	2.6	8.57	38.9	6.59	16.9	5.37
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.4	.28	.3	.25	.1	.39	.9	.15	.7	.21
OFFICERS,PILOTS,ENGRS,SHIP	.3	.18	.3	.21	.0	.05	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	.5	.33	.4	.28	.2	.51	1.6	.28	.9	.28
MANAGERS,OFFICE,PROP. NEC	9.5	5.94	7.2	5.55	2.3	7.62	36.4	6.16	15.4	4.88

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PETROLEUM REFINING AND COAL PRODUCTS		PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	29.7	18.55	22.7	17.45	7.0	23.35	79.3	13.44	39.2	12.46
STENOS,TYPISTS,SECRETARIES	9.7	6.05	7.3	5.59	2.4	8.05	19.9	3.37	9.9	3.14
OFFICE MACHINE OPERATORS	2.7	1.66	2.2	1.72	.4	1.42	4.8	.82	3.4	1.09
OTHER CLERICAL,KINDRED WRKRS	17.3	10.84	13.2	10.14	4.2	13.89	54.6	9.25	25.9	8.22
ACCOUNTING CLERKS	1.7	1.05	1.4	1.06	.3	1.01	2.9	.49	1.5	.48
BOOKKEEPERS,HAND	1.4	.90	1.2	.89	.3	.98	3.1	.53	.6	.20
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.2	.10	.1	.09	.0	.14	.2	.04	.2	.07
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	.8	.48	.2	.18	.5	1.78	12.7	2.16	4.4	1.39
TELEPHONE OPERATORS	.5	.29	.4	.31	.1	.18	.7	.11	.4	.13
CLERICAL AND KINDRED,NEC	12.8	8.03	9.9	7.62	2.9	9.80	35.0	5.93	18.8	5.96
SALES WORKERS	3.7	2.30	2.5	1.95	1.1	3.83	13.5	2.28	7.6	2.43
CRAFTSMEN,FOREMEN AND KINDRED	32.0	20.03	27.4	21.06	4.7	15.54	91.1	15.45	45.1	14.31
CONSTRUCTION CRAFTSMEN	7.2	4.52	6.2	4.79	1.0	3.38	7.5	1.27	4.9	1.56
CARPENTERS	.9	.59	.9	.66	.1	.29	1.0	.16	.4	.13
BRICKMASONS AND TILE SETRS	.1	.08	.1	.08	.0	.08	.1	.02	.0	.00
CEMENT,CONCRETE FINISHERS	.0	.01	.0	.01	.0	.00	.1	.01	.1	.03
ELECTRICIANS	1.7	1.07	1.4	1.04	.4	1.20	3.0	.51	1.7	.53
EXCAVATNG,GRADNG MACH OPER	.3	.21	.2	.17	.1	.37	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	.1	.09	.1	.08	.0	.13	.3	.05	.1	.02
PLASTERERS	.0	.00	.0	.00	.0	.00	.1	.01	.0	.00
PLUMBERS AND PIPEFITTERS	3.6	2.26	3.5	2.69	.1	.40	2.8	.48	2.6	.82
ROOFERS AND SLATERS	.3	.17	.0	.00	.3	.90	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.1	.04	.1	.05	.0	.00	.1	.02	.1	.03
FOREMEN NEC	8.1	5.09	6.9	5.29	1.3	4.22	40.2	6.82	18.5	5.89
METALWKNG CRAFTS EXC MECH	3.0	1.87	2.7	2.06	.3	1.03	13.3	2.26	4.8	1.53
MACHINISTS AND RELATED OCC	1.5	.94	1.4	1.11	.1	.20	5.0	.84	2.1	.65
BLKSMITHS,FORGMN,HAMMERMEN	.1	.04	.1	.04	.0	.00	.0	.01	.0	.01
BOILERMAKERS	1.1	.70	1.1	.85	.0	.07	.0	.01	.0	.01
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.2	.15	.1	.04	.2	.64	1.5	.25	.9	.30
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.2	.04	.1	.02
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.4	.07	.1	.03
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.0	.02	.0	.02	.0	.00	.6	.10	.6	.19
TOOLMAKERS AND DIEMAKERS	.0	.02	.0	.00	.0	.12	5.5	.94	1.0	.32
PRINTING TRADES CRAFTSMEN	.2	.13	.2	.12	.0	.15	1.6	.27	.3	.10
COMPOSITORS,TYPESETTERS	.0	.01	.0	.01	.0	.04	1.1	.18	.2	.07
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.03	.0	.04	.0	.00	.3	.05	.0	.01
PHOTOENGRVRS,LITHOGRAPHERS	.0	.02	.0	.01	.0	.04	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.1	.07	.1	.07	.0	.08	.2	.04	.1	.02
TRANSPORT AND PUB UTIL CRAFT	.0	.03	.0	.03	.0	.00	.1	.02	.0	.01
LINEMEN AND SERVICEMEN	.0	.01	.0	.01	.0	.00	.1	.02	.0	.01
LOCOMOTIVE ENGINEERS	.0	.02	.0	.02	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	8.0	5.01	6.4	4.89	1.7	5.51	23.0	3.89	13.7	4.36
AIRPLANE MECH AND REPAIRMN	.1	.04	.1	.05	.0	.00	.1	.01	.1	.02
MOTOR VEHICLE MECHANICS	.6	.38	.6	.43	.0	.16	.1	.02	.1	.04
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	.0	.02	.0	.03	.0	.00	.0	.00	.0	.00
RR AND CAR SHOP MECHANICS	.0	.01	.0	.01	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	7.3	4.56	5.7	4.38	1.6	5.35	22.8	3.86	13.5	4.30

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PETROLEUM REFINING AND COAL PRODUCTS		PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	5.4	3.38	5.0	3.87	.4	1.25	5.4	.92	2.7	.86
BAKERS	.0	.01	.0	.01	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.0	.00	.0	.00	.0	.00	.2	.03	.0	.00
CRANE,DERRICK,HOIST MEN	.6	.40	.5	.42	.1	.33	.3	.05	.2	.05
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.1	.01	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.1	.05	.1	.05	.0	.07	.1	.01	.0	.01
UPHOLSTERERS	.0	.00	.0	.00	.0	.00	.1	.01	.0	.00
CRAFTSMEN AND KINDRED NEC	4.7	2.92	4.4	3.40	.3	.85	4.7	.80	2.5	.80
OPERATIVES AND KINDRED WORKERS	36.5	22.81	27.3	21.01	9.2	30.64	296.8	50.30	162.0	51.44
DRIVERS,OTHER TRAN AND PU OP	7.0	4.36	5.0	3.81	2.0	6.73	2.4	.41	.6	.20
DRIVERS,BUS,TRUCK,TRACTOR	5.7	3.54	3.8	2.93	1.9	6.17	1.9	.32	.4	.13
DELIVERYMEN AND ROUTEMEN	.8	.49	.7	.51	.1	.42	.3	.05	.0	.00
BRAKEMEN AND SWITCHMEN RR	.1	.04	.0	.03	.0	.07	.0	.00	.0	.00
POWER STATION OPERATORS	.2	.10	.2	.12	.0	.00	.2	.04	.2	.07
SAILORS AND DECKHANDS	.3	.19	.3	.22	.0	.07	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	1.8	1.15	1.6	1.24	.2	.75	2.6	.43	1.7	.52
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.01	.0	.01
WELDERS AND FLAME-CUTTERS	1.8	1.15	1.6	1.24	.2	.75	2.5	.43	1.6	.51
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.01	.0	.00	.0	.07	2.0	.35	.1	.03
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.1	.01	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.2	.03	.1	.03
SEWERS AND STICHERS,MFG	.0	.01	.0	.00	.0	.07	1.8	.31	.0	.00
OTHER OPERATIVES AND KINDRED	27.7	17.29	20.7	15.95	6.9	23.09	289.8	49.11	159.7	50.69
ASBESTOS,INSULATION WKRS	1.0	.65	1.0	.80	.0	.00	.3	.06	.3	.09
ATTEND,AUTO SERVICE,PARKNG	.0	.01	.0	.01	.0	.00	.1	.01	.1	.02
BLASTERS AND POWDERMEN	.0	.02	.0	.01	.0	.06	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	26.6	16.61	19.7	15.13	6.9	23.03	289.4	49.04	159.3	50.58
SERVICE WORKERS	2.2	1.36	1.3	.97	.9	3.03	10.5	1.78	5.9	1.86
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	.7	.46	.4	.27	.4	1.29	2.1	.35	1.0	.32
FIREMEN	.2	.09	.1	.05	.1	.28	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	.6	.36	.3	.21	.3	1.01	1.9	.33	.9	.29
POLICE,OTH LAW ENFORCE OFF	.0	.01	.0	.01	.0	.00	.2	.03	.1	.03
FOOD SERVICE WORKERS	.3	.16	.2	.18	.0	.06	.5	.08	.5	.15
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.2	.13	.2	.16	.0	.00	.2	.04	.2	.07
COUNTER AND FOUNTAIN WKRS	.0	.00	.0	.00	.0	.00	.2	.04	.2	.06
WAITERS AND WAITRESSES	.1	.03	.0	.02	.0	.06	.0	.01	.0	.01
OTHER SERVICE WORKERS	1.2	.74	.7	.52	.5	1.68	7.9	1.35	4.4	1.39
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	.0	.01	.0	.01	.0	.00	.4	.06	.1	.05
JANITORS AND SEXTONS	.5	.30	.3	.23	.2	.59	4.7	.80	2.1	.67
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	.7	.44	.4	.29	.3	1.09	2.9	.48	2.1	.68
LABORERS,EXCEPT FARM AND MINE	5.8	3.62	3.6	2.75	2.2	7.39	23.2	3.93	16.4	5.19
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	MISCELLANEOUS PLASTIC PRODUCTS		LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	275.0	100.00	355.0	100.00	20.0	100.00	245.0	100.00	90.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	14.9	5.42	4.0	1.11	.5	2.26	2.0	.82	1.5	1.66
ENGINEERS,TECHNICAL	4.6	1.67	.7	.20	.1	.50	.3	.10	.3	.38
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.9	.31	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,ELECTRICAL	.3	.10	.0	.01	.0	.00	.0	.00	.0	.05
ENGINEERS,INDUSTRIAL	.9	.31	.4	.10	.1	.40	.2	.06	.1	.14
ENGINEERS,MECHANICAL	.6	.23	.1	.02	.0	.00	.0	.01	.0	.04
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	1.9	.70	.2	.07	.0	.10	.1	.03	.1	.15
NATURAL SCIENTISTS	1.2	.43	.2	.05	.1	.29	.0	.02	.1	.09
CHEMISTS	1.0	.35	.2	.05	.1	.29	.0	.02	.1	.09
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.1	.04	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICISTS	.1	.04	.0	.00	.0	.00	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	3.6	1.29	.7	.20	.2	.76	.3	.14	.2	.24
DRAFTSMEN	1.1	.41	.1	.02	.0	.00	.0	.00	.1	.07
SURVEYORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	2.4	.88	.7	.18	.2	.76	.3	.14	.2	.17
MEDICAL,OTHER HEALTH WORKERS	.2	.06	.1	.02	.0	.06	.0	.01	.0	.05
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.2	.06	.1	.02	.0	.06	.0	.01	.0	.05
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
SOCIAL SCIENTISTS	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
ECONOMISTS	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
STATISTICIANS + ACTUARIES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	5.3	1.91	2.3	.64	.1	.65	1.3	.54	.8	.90
ACCOUNTANTS AND AUDITORS	1.7	.62	.5	.15	.1	.35	.4	.15	.1	.10
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	.1	.04	.0	.01	.0	.00	.0	.00	.0	.04
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	1.3	.46	.7	.20	.0	.00	.4	.18	.3	.30
EDITORS AND REPORTERS	.1	.02	.0	.00	.0	.00	.0	.00	.0	.00
LAWYERS AND JUDGES	.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
LIBRARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PERSONNEL AND LAB REL WRKS	.9	.34	.3	.09	.0	.20	.2	.07	.1	.11
PHOTOGRAPHERS	.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	1.1	.40	.7	.20	.0	.11	.4	.15	.3	.34
MANAGERS,OFFICIALS,PROPRIETORS	22.0	7.98	17.1	4.80	1.9	9.28	8.9	3.63	6.3	7.01
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.2	.08	.2	.05	.0	.00	.2	.08	.0	.00
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	.8	.28	1.1	.32	.1	.52	.8	.33	.2	.27
MANAGERS,OFFICE,PROP. NEC	21.0	7.63	15.7	4.43	1.8	8.76	7.9	3.23	6.1	6.74

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	MISCELLANEOUS PLASTIC PRODUCTS		LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	40.0	14.56	39.9	11.25	1.4	7.15	27.6	11.25	10.9	12.13
STENOS,TYPISTS,SECRETARIES	10.0	3.62	7.3	2.07	.3	1.27	4.5	1.82	2.6	2.92
OFFICE MACHINE OPERATORS	1.4	.50	3.0	.84	.2	1.04	2.1	.86	.7	.73
OTHER CLERICAL,KINDRED WRKRS	28.7	10.44	29.6	8.34	1.0	4.85	21.0	8.57	7.6	8.48
ACCOUNTING CLERKS	1.4	.51	.9	.25	.0	.07	.4	.16	.5	.53
BOOKKEEPERS,HAND	2.5	.91	2.1	.60	.1	.29	1.2	.49	.9	.96
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.0	.00	.2	.05	.0	.00	.2	.07	.0	.00
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	8.4	3.04	6.8	1.92	.1	.61	4.3	1.77	2.4	2.62
TELEPHONE OPERATORS	.3	.09	.4	.11	.1	.31	.2	.08	.1	.16
CLERICAL AND KINDRED,NEC	16.2	5.89	19.2	5.41	.7	3.58	14.7	6.00	3.8	4.22
SALES WORKERS	5.8	2.12	5.2	1.47	.3	1.60	3.9	1.61	1.0	1.06
CRAFTSMEN,FOREMEN AND KINDRED	46.1	16.75	29.7	8.38	2.6	12.87	19.3	7.89	7.8	8.72
CONSTRUCTION CRAFTSMEN	2.6	.94	.8	.23	.2	.81	.5	.18	.2	.21
CARPENTERS	.6	.21	.3	.08	.1	.29	.1	.04	.1	.15
BRICKMASONS AND TILE SETRS	.1	.05	.0	.00	.0	.00	.0	.00	.0	.00
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	1.3	.49	.3	.10	.0	.17	.3	.12	.0	.00
EXCAVATNG,GRADNG MACH OPER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	.2	.08	.0	.01	.0	.00	.0	.01	.0	.00
PLASTERERS	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	.3	.09	.1	.03	.1	.35	.0	.01	.0	.00
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.1	.01	.0	.00	.0	.00	.1	.06
FOREMEN NEC	21.7	7.89	18.7	5.27	1.4	6.76	11.7	4.77	5.7	6.32
METALWKNG CRAFTS EXC MECH	8.5	3.09	1.1	.30	.1	.59	.6	.24	.4	.40
MACHINISTS AND RELATED OCC	2.9	1.06	.3	.08	.0	.13	.2	.09	.0	.02
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.0	.01	.0	.09	.0	.00	.0	.00
BOILERMAKERS	.0	.00	.0	.01	.0	.16	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.6	.20	.0	.01	.0	.16	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.2	.05	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.3	.12	.2	.06	.0	.00	.2	.07	.0	.04
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.0	.00	.0	.01	.0	.06	.0	.01	.0	.00
TOOLMAKERS AND DIEMAKERS	4.5	1.65	.5	.13	.0	.00	.2	.07	.3	.34
PRINTING TRADES CRAFTSMEN	1.3	.47	.1	.03	.0	.00	.1	.03	.0	.04
COMPOSITORS,TYPESETTERS	.9	.31	.1	.03	.0	.00	.1	.03	.0	.04
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.3	.09	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.2	.07	.0	.00	.0	.00	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.1	.02	.1	.03	.0	.00	.0	.00	.1	.12
LINEMEN AND SERVICEMEN	.1	.02	.1	.03	.0	.00	.0	.00	.1	.12
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	9.2	3.35	8.0	2.26	.8	4.00	6.1	2.47	1.2	1.29
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.0	.00	.1	.02	.0	.00	.1	.03	.0	.00
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	9.2	3.35	7.9	2.24	.8	4.00	6.0	2.45	1.2	1.29

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	MISCELLANEOUS PLASTIC PRODUCTS		LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	2.7	.97	.9	.26	.1	.72	.5	.19	.3	.34
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.2	.07	.0	.01	.0	.00	.0	.01	.0	.00
CRANE,DERRICK,HOIST MEN	.1	.04	.0	.01	.0	.00	.0	.02	.0	.00
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.1	.02	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.1	.02	.0	.00	.0	.00	.0	.00	.0	.00
UPHOLSTERERS	.1	.02	.0	.00	.0	.00	.0	.00	.0	.00
CRAFTSMEN AND KINDRED NEC	2.2	.80	.8	.24	.1	.72	.4	.16	.3	.34
OPERATIVES AND KINDRED WORKERS	134.8	49.00	245.1	69.03	10.9	54.32	175.4	71.60	58.8	65.32
DRIVERS,OTHER TRAN AND PU OP	1.8	.66	1.9	.54	.2	1.08	1.2	.51	.4	.50
DRIVERS,BUS,TRUCK,TRACTOR	1.5	.55	1.3	.37	.1	.72	.9	.37	.3	.30
DELIVERYMEN AND ROUTEMEN	.3	.11	.4	.12	.1	.37	.2	.09	.1	.15
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	.2	.05	.0	.00	.1	.05	.0	.05
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	.9	.33	.1	.03	.0	.00	.1	.02	.0	.05
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.9	.33	.1	.03	.0	.00	.1	.02	.0	.05
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	2.0	.71	44.8	12.62	.0	.00	36.9	15.05	7.9	8.82
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.1	.03	.1	.03	.0	.00	.1	.04	.0	.00
WEAVERS,TEXTILE	.1	.03	.1	.04	.0	.00	.1	.03	.1	.07
SEWERS AND STICHERS,MFG	1.8	.65	44.6	12.56	.0	.00	36.7	14.98	7.9	8.75
OTHER OPERATIVES AND KINDRED	130.1	47.30	198.3	55.85	10.6	53.24	137.3	56.02	50.4	55.95
ASBESTOS,INSULATION WKRS	.1	.02	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.01	.0	.00	.0	.02	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	130.0	47.28	198.2	55.83	10.6	53.24	137.2	56.00	50.4	55.95
SERVICE WORKERS	4.7	1.69	4.7	1.33	.5	2.44	3.0	1.22	1.2	1.37
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	1.1	.39	1.3	.38	.2	1.13	.9	.37	.2	.23
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	1.0	.37	1.3	.38	.2	1.13	.9	.37	.2	.23
POLICE,OTH LAW ENFORCE OFF	.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
FOOD SERVICE WORKERS	.0	.01	.1	.03	.0	.00	.1	.02	.1	.08
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.0	.00	.1	.02	.0	.00	.0	.01	.0	.05
COUNTER AND FOUNTAIN WKRS	.0	.01	.0	.01	.0	.00	.0	.00	.0	.02
WAITERS AND WAITRESSES	.0	.00	.0	.01	.0	.00	.0	.01	.0	.00
OTHER SERVICE WORKERS	3.6	1.30	3.3	.92	.3	1.31	2.0	.83	1.0	1.06
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	.2	.08	.4	.11	.0	.00	.2	.08	.2	.20
JANITORS AND SEXTONS	2.6	.96	1.3	.36	.2	.78	1.0	.39	.2	.19
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	.7	.26	1.6	.45	.1	.54	.9	.36	.6	.67
LABORERS,EXCEPT FARM AND MINE	6.8	2.48	9.3	2.63	2.0	10.09	4.9	1.98	2.5	2.73
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TRANSPORTATION COMMUNICATIONS AND PUBLIC UTILITIES		TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	5,390.0	100.00	3,175.0	100.00	790.0	100.00	375.0	100.00	255.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	354.7	6.58	111.3	3.50	28.6	3.62	4.7	1.26	2.9	1.13
ENGINEERS,TECHNICAL	73.0	1.35	12.7	.40	6.6	.83	.9	.24	.8	.33
ENGINEERS,AERONAUTICAL	.7	.01	.7	.02	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.6	.01	.1	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	14.2	.26	4.5	.14	3.2	.41	.4	.11	.4	.16
ENGINEERS,ELECTRICAL	39.1	.73	1.8	.06	1.1	.13	.3	.07	.2	.09
ENGINEERS,INDUSTRIAL	3.3	.06	1.4	.04	.5	.06	.1	.02	.1	.02
ENGINEERS,MECHANICAL	7.3	.14	2.8	.09	1.3	.17	.1	.03	.1	.04
ENGINEERS,METALLURG,ETC	.6	.01	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.2	.00	.1	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	7.0	.13	1.2	.04	.4	.06	.1	.02	.1	.02
NATURAL SCIENTISTS	3.8	.07	.5	.02	.4	.06	.0	.00	.0	.00
CHEMISTS	2.3	.04	.3	.01	.3	.04	.0	.00	.0	.00
AGRICULTURAL SCIENTISTS	.3	.01	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.6	.01	.1	.00	.1	.01	.0	.00	.0	.00
MATHEMATICIANS	.5	.01	.1	.00	.1	.01	.0	.00	.0	.00
PHYSICISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	77.9	1.45	14.0	.44	3.8	.48	1.6	.43	.3	.11
DRAFTSMEN	12.9	.24	2.6	.08	2.0	.25	.1	.03	.1	.05
SURVEYORS	4.9	.09	1.4	.04	.8	.10	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	8.9	.17	5.5	.17	.0	.00	1.5	.39	.1	.04
TECHNICIANS,OTHER	51.2	.95	4.5	.14	1.1	.14	.1	.01	.1	.02
MEDICAL,OTHER HEALTH WORKERS	1.9	.04	.9	.03	.3	.03	.2	.05	.2	.07
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.9	.02	.4	.01	.2	.02	.0	.01	.0	.01
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.5	.01	.3	.01	.1	.01	.1	.02	.1	.02
PSYCHOLOGISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.3	.01	.2	.00	.0	.00	.1	.02	.1	.03
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	2.7	.05	1.6	.05	.0	.00	.1	.03	.1	.04
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	2.7	.05	1.6	.05	.0	.00	.1	.03	.1	.04
SOCIAL SCIENTISTS	4.9	.09	1.8	.06	1.0	.12	.1	.03	.1	.04
ECONOMISTS	1.6	.03	.3	.01	.1	.02	.0	.00	.0	.00
STATISTICIANS + ACTUARIES	3.2	.06	1.5	.05	.9	.11	.1	.03	.1	.04
OTHER SOCIAL SCIENTISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	190.3	3.53	79.7	2.51	16.6	2.10	1.8	.48	1.4	.55
ACCOUNTANTS AND AUDITORS	41.4	.77	21.2	.67	6.2	.79	1.0	.27	.8	.32
AIRPLANE PILOTS,NAVIGATORS	39.1	.73	38.7	1.22	.0	.00	.1	.02	.1	.02
ARCHITECTS	.3	.01	.0	.00	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	7.6	.14	.7	.02	.1	.01	.0	.00	.0	.00
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	1.9	.04	.3	.01	.2	.03	.0	.00	.0	.00
EDITORS AND REPORTERS	6.1	.11	1.0	.03	.4	.05	.0	.00	.0	.00
LAWYERS AND JUDGES	2.7	.05	1.5	.05	.8	.10	.1	.02	.1	.03
LIBRARIANS	.4	.01	.1	.00	.1	.01	.0	.00	.0	.00
PERSONNEL AND LAB REL WRKS	10.5	.19	3.3	.10	1.0	.13	.2	.04	.1	.03
PHOTOGRAPHERS	1.3	.02	.4	.01	.1	.01	.0	.01	.0	.02
SOCIAL AND WELFARE WORKERS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	79.0	1.46	12.6	.40	7.6	.97	.4	.11	.3	.13
MANAGERS,OFFICIALS,PROPRIETORS	426.5	7.91	296.9	9.35	83.7	10.60	15.7	4.19	11.1	4.37
CONDUCTORS,RAILROAD	43.9	.81	43.9	1.38	43.8	5.55	.0	.01	.0	.01
CREDITMEN	.9	.02	.5	.02	.2	.02	.0	.00	.0	.00
OFFICERS,PILOTS,ENGRS,SHIP	27.5	.51	27.5	.87	.5	.06	.0	.01	.0	.01
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	4.8	.09	2.2	.07	.3	.04	.2	.05	.2	.07
MANAGERS,OFFICE,PROP. NEC	349.5	6.48	222.8	7.02	38.9	4.93	15.5	4.13	10.9	4.28

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TRANSPORTATION COMMUNICATIONS AND PUBLIC UTILITIES		TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	1,291.9	23.97	625.7	19.71	157.2	19.90	36.4	9.70	23.7	9.29
STENOS,TYPISTS,SECRETARIES	173.8	3.22	88.7	2.80	16.7	2.11	3.3	.88	2.9	1.14
OFFICE MACHINE OPERATORS	61.3	1.14	33.3	1.05	12.6	1.60	1.2	.31	1.0	.38
OTHER CLERICAL,KINDRED WRKRS	1,056.7	19.61	503.7	15.86	127.9	16.19	31.9	8.51	19.8	7.77
ACCOUNTING CLERKS	41.9	.78	19.4	.61	2.4	.30	.9	.24	.8	.30
BOOKKEEPERS,HAND	18.0	.33	9.9	.31	.0	.00	1.8	.48	.6	.23
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	41.8	.78	27.4	.86	3.4	.43	2.1	.56	2.1	.82
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	12.4	.23	11.5	.36	2.0	.26	.5	.14	.2	.07
TELEPHONE OPERATORS	251.8	4.67	7.8	.24	1.5	.19	1.4	.37	.1	.04
CLERICAL AND KINDRED,NEC	690.8	12.82	427.8	13.47	118.6	15.02	25.2	6.73	16.1	6.30
SALES WORKERS	63.3	1.17	33.8	1.07	2.8	.36	.6	.17	.6	.25
CRAFTSMEN,FOREMEN AND KINDRED	1,156.3	21.45	486.6	15.33	243.0	30.76	32.3	8.61	29.3	11.50
CONSTRUCTION CRAFTSMEN	98.1	1.82	49.2	1.55	33.3	4.22	2.5	.66	2.4	.95
CARPENTERS	10.7	.20	8.2	.26	4.1	.52	.5	.14	.5	.21
BRICKMASONS AND TILE SETRS	.7	.01	.2	.01	.1	.01	.1	.04	.1	.05
CEMENT,CONCRETE FINISHERS	.1	.00	.0	.00	.0	.00	.0	.01	.0	.02
ELECTRICIANS	40.3	.75	23.4	.74	17.5	2.21	.9	.25	.9	.36
EXCAVATNG,GRADNG MACH OPER	11.0	.20	2.5	.08	1.0	.13	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	8.4	.16	5.9	.19	2.8	.35	.5	.15	.5	.19
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	25.7	.48	8.0	.25	7.4	.94	.1	.03	.1	.05
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.01
STRUCTURAL METALWORKERS	1.3	.02	.8	.02	.5	.06	.2	.04	.2	.06
FOREMEN NEC	151.8	2.82	79.3	2.50	38.3	4.85	3.3	.88	3.1	1.22
METALWKNG CRAFTS EXC MECH	44.7	.83	40.0	1.26	33.0	4.17	.9	.24	.9	.34
MACHINISTS AND RELATED OCC	30.8	.58	28.4	.89	27.2	3.44	.5	.14	.5	.19
BLKSMITHS,FORGMN,HAMMERMEN	1.6	.03	1.2	.04	.9	.11	.1	.02	.1	.02
BOILERMAKERS	2.7	.05	1.5	.05	1.3	.16	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.7	.01	.6	.02	.1	.01	.1	.04	.1	.05
MOLDERS,METAL,EXC COREMKRS	.1	.00	.1	.00	.1	.01	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	8.3	.15	8.0	.25	3.3	.42	.1	.04	.1	.05
TOOLMAKERS AND DIEMAKERS	.5	.01	.2	.01	.2	.02	.1	.01	.1	.02
PRINTING TRADES CRAFTSMEN	1.0	.02	.5	.02	.1	.02	.0	.01	.0	.01
COMPOSITORS,TYPESETTERS	.6	.02	.4	.01	.1	.02	.0	.01	.0	.01
ELECTROTYPERS,STEREOTYPERS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.1	.00	.1	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	409.7	7.60	56.2	1.77	54.8	6.94	.5	.14	.5	.20
LINEMEN AND SERVICEMEN	357.7	6.64	4.8	.15	3.6	.46	.3	.09	.3	.12
LOCOMOTIVE ENGINEERS	45.5	.84	45.0	1.42	44.8	5.67	.2	.05	.2	.07
LOCOMOTIVE FIREMEN	6.4	.12	6.3	.20	6.3	.80	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	325.9	6,05	202.2	6.37	44.8	5.67	23.3	6.22	20.7	8.13
AIRPLANE MECH AND REPAIRMN	54.1	1,00	54.0	1.70	.0	.00	.1	.02	.1	.02
MOTOR VEHICLE MECHANICS	76.2	1,42	66.4	2.09	.3	.04	15.8	4.20	13.5	5.29
OFFICE MACHINE MECHANICS	.5	,01	.1	.00	.1	.02	.0	.00	.0	.00
RADIO AND TV MECHANICS	3.6	.07	2.2	.07	.5	.06	.0	.01	.0	.01
RR AND CAR SHOP MECHANICS	39.0	,72	39.0	1.23	37.3	4.72	1.5	.41	1.5	.60
OTHER MECHANICS AND REPAIR	152.5	2,83	40.4	1.27	6.5	.83	5.9	1.57	5.6	2.21

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TRANSPORTATION COMMUNICATIONS AND PUBLIC UTILITIES		TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	125.2	2.32	59.1	1.86	38.7	4.90	1.7	.45	1.7	.65
BAKERS	.1	.00	.1	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.2	.00	.2	.01	.1	.02	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	10.9	.20	5.8	.18	1.8	.23	.0	.00	.0	.00
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.1	.00	.1	.00	.1	.01	.0	.00	.0	.00
INSPECTORS,OTHER	56.3	1.05	38.1	1.20	32.3	4.09	1.2	.32	1.2	.47
UPHOLSTERERS	.8	.01	.7	.02	.4	.05	.1	.03	.1	.04
CRAFTSMEN AND KINDRED NEC	56.8	1.06	14.1	.44	3.9	.49	.4	.11	.4	.14
OPERATIVES AND KINDRED WORKERS	1,457.4	27.03	1,218.9	38.39	179.1	22.67	268.5	71.61	171.1	67.10
DRIVERS,OTHER TRAN AND PU OP	1,232.1	22.86	1,092.6	34.41	125.6	15.90	253.7	67.65	157.5	61.75
DRIVERS,BUS,TRUCK,TRACTOR	954.1	17.70	834.3	26.28	17.8	2.26	152.5	40.66	152.0	59.62
DELIVERYMEN AND ROUTEMEN	138.4	2.57	132.6	4.18	2.9	.37	100.5	26.80	4.7	1.86
BRAKEMEN AND SWITCHMEN RR	104.9	1.95	104.9	3.30	103.9	13.15	.5	.14	.5	.20
POWER STATION OPERATORS	14.1	.26	.6	.02	.2	.02	.1	.03	.1	.04
SAILORS AND DECKHANDS	20.5	.38	20.2	.64	.8	.10	.1	.02	.1	.03
SEMISKILLED METALWORKING OCC	20.2	.37	12.5	.39	8.5	1.08	.3	.08	.3	.11
FURNACEMN,SMELTRMN,POURERS	.1	.00	.1	.00	.1	.01	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	20.1	.37	12.4	.39	8.4	1.06	.3	.08	.3	.11
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	205.1	3.81	113.8	3.59	45.0	5.70	14.5	3.88	13.4	5.24
ASBESTOS,INSULATION WKRS	.3	.01	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	1.8	.03	.8	.03	.0	.00	.2	.05	.0	.00
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.1	.00	.1	.00	.1	.01	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	1.9	.04	1.9	.06	.1	.01	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	201.0	3.73	111.0	3.49	44.8	5.68	14.4	3.83	13.4	5.24
SERVICE WORKERS	160.1	2.97	120.8	3.80	27.3	3.46	12.1	3.24	11.9	4.68
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	25.5	.47	20.8	.65	6.9	.88	1.4	.38	1.4	.55
FIREMEN	.4	.01	.4	.01	.2	.02	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	15.4	.28	11.2	.35	2.4	.30	.7	.18	.6	.25
POLICE,OTH LAW ENFORCE OFF	9.6	.18	9.2	.29	4.4	.56	.8	.20	.8	.30
FOOD SERVICE WORKERS	15.1	.28	12.3	.39	4.0	.51	1.1	.28	1.0	.40
BARTENDERS	.2	.00	.2	.01	.1	.01	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	8.3	.16	7.3	.23	2.1	.26	.3	.07	.2	.10
COUNTER AND FOUNTAIN WKRS	1.2	.02	.4	.01	.0	.00	.0	.01	.0	.01
WAITERS AND WAITRESSES	5.4	.10	4.5	.14	1.9	.24	.8	.21	.7	.29
OTHER SERVICE WORKERS	119.6	2.22	87.7	2.76	16.4	2.07	9.7	2.58	9.5	3.73
AIRLINE STEWARDS,STWRDSSES	32.0	.59	32.0	1.01	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	10.6	.20	6.1	.19	3.9	.49	.3	.09	.3	.13
JANITORS AND SEXTONS	27.5	.51	9.9	.31	2.7	.35	1.2	.33	1.2	.48
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	49.5	.92	39.8	1.25	9.7	1.23	8.1	2.16	8.0	3.12
LABORERS,EXCEPT FARM AND MINE	479.8	8.90	281.0	8.85	68.2	8.63	4.6	1.22	4.3	1.68
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TAXIS		TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	120.0	100.00	1,260.0	100.00	1,180.0	100.00	80.0	100.00		
PROFESSIONAL TECHNICAL,KINDRED	1.8	1.52	10.1	.80	8.3	.71	1.8	2.21		
ENGINEERS,TECHNICAL	.1	.05	1.6	.12	1.0	.09	.5	.66		
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,CHEMICAL	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,CIVIL	.0	.00	.3	.03	.3	.03	.0	.00		
ENGINEERS,ELECTRICAL	.0	.03	.0	.00	.0	.00	.0	.02		
ENGINEERS,INDUSTRIAL	.0	.02	.2	.02	.2	.02	.0	.00		
ENGINEERS,MECHANICAL	.0	.00	.6	.05	.2	.02	.4	.48		
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER ENGINEERS,TECHNICAL	.0	.00	.4	.03	.3	.02	.1	.16		
NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
CHEMISTS	.0	.00	.0	.00	.0	.00	.0	.00		
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00		
MATHEMATICIANS	.0	.00	.0	.00	.0	.00	.0	.00		
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,EXC MEDICAL,DENT	1.4	1.13	.4	.03	.3	.03	.0	.02		
DRAFTSMEN	.0	.00	.0	.00	.0	.00	.0	.00		
SURVEYORS	.0	.00	.0	.00	.0	.00	.0	.00		
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO OPERATORS	1.4	1.13	.3	.03	.3	.03	.0	.00		
TECHNICIANS,OTHER	.0	.00	.0	.00	.0	.00	.0	.02		
MEDICAL,OTHER HEALTH WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00		
NURSES,PROFESSIONAL	.0	.00	.0	.00	.0	.00	.0	.00		
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00		
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00		
PHYSICIANS AND SURGEONS	.0	.00	.0	.00	.0	.00	.0	.00		
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.0	.00	.0	.00	.0	.00		
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS	.0	.01	.0	.00	.0	.00	.0	.04		
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,OTHER	.0	.01	.0	.00	.0	.00	.0	.04		
SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
ECONOMISTS	.0	.00	.0	.00	.0	.00	.0	.00		
STATISTICIANS + ACTUARIES	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER PROF,TECH AND KINDRED	.4	.33	8.1	.65	7.0	.59	1.2	1.48		
ACCOUNTANTS AND AUDITORS	.2	.16	5.8	.46	4.8	.41	1.0	1.22		
AIRPLANE PILOTS,NAVIGATORS	.0	.02	.0	.00	.0	.00	.0	.03		
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00		
WRKRS IN ARTS,ENTERTAINMNT	.0	.00	.0	.00	.0	.00	.0	.00		
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00		
DESIGNERS,EXC DESIGN DRAFT	.0	.00	.0	.00	.0	.00	.0	.00		
EDITORS AND REPORTERS	.0	.00	.1	.01	.1	.01	.0	.00		
LAWYERS AND JUDGES	.0	.00	.1	.01	.1	.01	.0	.03		
LIBRARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
PERSONNEL AND LAB REL WRKS	.1	.07	.9	.07	.8	.07	.1	.08		
PHOTOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00		
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROF,TECH,KINDRED,NEC	.1	.08	1.2	.09	1.1	.09	.1	.12		
MANAGERS,OFFICIALS,PROPRIETORS	4.6	3.82	104.0	8.25	90.5	7.67	13.5	16.82		
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00		
CREDITMEN	.0	.00	.2	.02	.2	.02	.0	.02		
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.02		
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00		
PURCHASING AGENTS	.0	.02	.5	.04	.3	.02	.3	.33		
MANAGERS,OFFICE,PROP. NEC	4.6	3.80	103.2	8.19	90.0	7.63	13.2	16.46		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TAXIS		TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	12.7	10.58	185.6	14.73	167.5	14.20	18.0	22.54		
STENOS,TYPISTS,SECRETARIES	.4	.34	28.6	2.27	25.7	2.17	2.9	3.62		
OFFICE MACHINE OPERATORS	.2	.14	11.7	.93	11.1	.94	.6	.75		
OTHER CLERICAL,KINDRED WRKRS	12.1	10.10	145.3	11.53	130.8	11.08	14.5	18.17		
ACCOUNTING CLERKS	.1	.10	9.1	.72	8.8	.75	.3	.40		
BOOKKEEPERS,HAND	1.2	1.00	6.5	.52	3.5	.29	3.0	3.81		
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00		
CASHIERS	.0	.00	4.4	.35	4.4	.37	.0	.03		
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00		
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00		
SHIPPING,RECEIVING CLERKS	.3	.29	3.3	.26	2.3	.19	1.0	1.28		
TELEPHONE OPERATORS	1.3	1.07	2.3	.18	2.2	.19	.1	.11		
CLERICAL AND KINDRED,NEC	9.2	7.64	119.7	9.50	109.7	9.29	10.0	12.53		
SALES WORKERS	.0	.00	18.9	1.50	17.2	1.46	1.7	2.11		
CRAFTSMEN,FOREMEN AND KINDRED	2.9	2.45	93.8	7.45	87.6	7.42	6.2	7.81		
CONSTRUCTION CRAFTSMEN	.1	.06	3.1	.25	2.5	.21	.7	.82		
CARPENTERS	.0	.00	.9	.07	.6	.05	.3	.41		
BRICKMASONS AND TILE SETRS	.0	.00	.0	.00	.0	.00	.0	.00		
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTRICIANS	.0	.00	.3	.03	.2	.02	.1	.15		
EXCAVATNG,GRADNG MACH OPER	.0	.00	.8	.06	.7	.06	.1	.08		
PAINTERS AND PAPERHANGERS	.1	.06	.7	.06	.7	.06	.0	.04		
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00		
PLUMBERS AND PIPEFITTERS	.0	.00	.2	.02	.1	.01	.1	.13		
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
STRUCTURAL METALWORKERS	.0	.00	.1	.01	.1	.01	.0	.00		
FOREMEN NEC	.2	.17	23.4	1.86	20.6	1.74	2.9	3.59		
METALWKNG CRAFTS EXC MECH	.0	.02	.7	.06	.6	.05	.1	.11		
MACHINISTS AND RELATED OCC	.0	.02	.0	.00	.0	.00	.0	.04		
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.1	.01	.1	.01	.0	.00		
BOILERMAKERS	.0	.00	.2	.02	.2	.02	.0	.00		
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00		
MILLWRIGHTS	.0	.00	.2	.01	.1	.01	.0	.04		
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00		
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00		
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00		
SHEET METAL WORKERS	.0	.00	.1	.01	.1	.01	.0	.02		
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PRINTING TRADES CRAFTSMEN	.0	.00	.1	.01	.1	.01	.0	.00		
COMPOSITORS,TYPESETTERS	.0	.00	.1	.01	.1	.01	.0	.00		
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00		
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00		
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00		
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.0	.00		
TRANSPORT AND PUB UTIL CRAFT	.0	.01	.0	.00	.0	.00	.0	.03		
LINEMEN AND SERVICEMEN	.0	.01	.0	.00	.0	.00	.0	.03		
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
MECHANICS AND REPAIRMEN	2.6	2.15	58.7	4.66	57.4	4.87	1.3	1.64		
AIRPLANE MECH AND REPAIRMN	.0	.03	.1	.01	.1	.01	.0	.02		
MOTOR VEHICLE MECHANICS	2.3	1.90	49.2	3.91	49.0	4.15	.2	.28		
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO AND TV MECHANICS	.0	.01	.0	.00	.0	.00	.0	.00		
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MECHANICS AND REPAIR	.3	.22	9.4	.74	8.3	.70	1.1	1.34		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TAXIS		TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	.0	.04	7.7	.61	6.4	.54	1.3	1.62		
BAKERS	.0	.00	.0	.00	.0	.00	.0	.03		
CABINETMAKERS	.0	.00	.1	.01	.0	.00	.1	.08		
CRANE,DERRICK,HOIST MEN	.0	.00	.7	.06	.6	.05	.1	.13		
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00		
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00		
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,OTHER	.0	.01	3.2	.26	3.0	.26	.2	.28		
UPHOLSTERERS	.0	.00	.0	.00	.0	.00	.0	.02		
CRAFTSMEN AND KINDRED NEC	.0	.03	3.6	.29	2.8	.24	.9	1.08		
OPERATIVES AND KINDRED WORKERS	97.4	81.19	711.0	56.43	687.0	58.22	24.0	30.03		
DRIVERS,OTHER TRAN AND PU OP	96.2	80.19	686.1	54.46	674.3	57.15	11.8	14.76		
DRIVERS,BUS,TRUCK,TRACTOR	.5	.38	657.8	52.21	646.3	54.77	11.6	14.46		
DELIVERYMEN AND ROUTEMEN	95.8	79.82	27.8	2.21	27.6	2.34	.2	.26		
BRAKEMEN AND SWITCHMEN RR	.0	.00	.5	.04	.5	.04	.0	.00		
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00		
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.04		
SEMISKILLED METALWORKING OCC	.0	.01	1.9	.15	1.8	.15	.0	.04		
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00		
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00		
WELDERS AND FLAME-CUTTERS	.0	.01	1.9	.15	1.8	.15	.0	.04		
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00		
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00		
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER OPERATIVES AND KINDRED	1.2	.98	23.0	1.82	10.8	.91	12.2	15.22		
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.00	.0	.00		
ATTEND,AUTO SERVICE,PARKNG	.2	.14	.4	.04	.4	.04	.0	.03		
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00		
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.01		
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	1.7	.14	.0	.00	1.7	2.13		
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00		
OPERATIVES AND KINDRED,NEC	1.0	.84	20.8	1.65	10.4	.88	10.4	13.05		
SERVICE WORKERS	.2	.18	8.8	.70	6.9	.58	2.0	2.46		
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROTECTIVE SERVICE WORKERS	.0	.02	2.1	.17	1.1	.09	1.0	1.24		
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
GUARDS,WATCHMEN,DOORKEEPRS	.0	.02	2.0	.16	1.0	.08	1.0	1.21		
POLICE,OTH LAW ENFORCE OFF	.0	.00	.1	.01	.1	.01	.0	.03		
FOOD SERVICE WORKERS	.1	.04	.2	.01	.1	.01	.1	.06		
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00		
COOKS,EXC PRIV HOUSEHOLDS	.0	.02	.2	.01	.1	.01	.1	.06		
COUNTER AND FOUNTAIN WKRS	.0	.00	.0	.00	.0	.00	.0	.00		
WAITERS AND WAITRESSES	.0	.02	.0	.00	.0	.00	.0	.00		
OTHER SERVICE WORKERS	.1	.12	6.6	.52	5.7	.48	.9	1.15		
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00		
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00		
CHARWOMEN AND CLEANERS	.0	.00	1.3	.10	1.1	.10	.1	.17		
JANITORS AND SEXTONS	.0	.01	3.0	.23	2.6	.22	.3	.41		
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
SERVICE WORKERS,NEC	.1	.11	2.3	.19	1.9	.16	.5	.57		
LABORERS,EXCEPT FARM AND MINE	.3	.26	127.8	10.14	115.0	9.75	12.8	16.03		
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	WATER TRANSPORTATION		AIR TRANSPORTATION		PIPELINES		TRANSPORTATION SERVICES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	220.0	100.00	355.0	100.00	20.0	100.00	155.0	100.00		
PROFESSIONAL TECHNICAL,KINDRED	7.2	3.29	53.3	15.02	2.3	11.58	5.0	3.20		
ENGINEERS,TECHNICAL	.4	.18	1.9	.54	1.0	5.12	.4	.24		
ENGINEERS,AERONAUTICAL	.0	.00	.7	.20	.0	.00	.0	.00		
ENGINEERS,CHEMICAL	.0	.00	.0	.00	.1	.68	.0	.00		
ENGINEERS,CIVIL	.1	.06	.1	.03	.2	.80	.2	.10		
ENGINEERS,ELECTRICAL	.1	.03	.2	.05	.1	.65	.1	.05		
ENGINEERS,INDUSTRIAL	.1	.03	.4	.12	.1	.34	.0	.00		
ENGINEERS,MECHANICAL	.1	.03	.3	.08	.3	1.66	.1	.05		
ENGINEERS,METALLURG,ETC	.0	.00	.0	.01	.0	.00	.0	.00		
ENGINEERS,MINING	.0	.00	.0	.00	.1	.65	.0	.00		
OTHER ENGINEERS,TECHNICAL	.1	.02	.1	.03	.1	.35	.1	.04		
NATURAL SCIENTISTS	.0	.00	.1	.01	.0	.06	.0	.00		
CHEMISTS	.0	.00	.0	.00	.0	.06	.0	.00		
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00		
MATHEMATICIANS	.0	.00	.1	.01	.0	.00	.0	.00		
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,EXC MEDICAL,DENT	2.5	1.14	4.1	1.14	.7	3.66	.9	.56		
DRAFTSMEN	.2	.07	.1	.02	.1	.49	.2	.14		
SURVEYORS	.6	.25	.0	.01	.0	.12	.0	.02		
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO OPERATORS	1.3	.61	2.1	.60	.0	.00	.2	.12		
TECHNICIANS,OTHER	.5	.22	1.8	.51	.6	3.05	.4	.27		
MEDICAL,OTHER HEALTH WORKERS	.1	.06	.4	.10	.0	.00	.0	.00		
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
DIETICIANS,NUTRITIONISTS	.0	.01	.0	.00	.0	.00	.0	.00		
NURSES,PROFESSIONAL	.0	.02	.2	.05	.0	.00	.0	.00		
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00		
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00		
PHYSICIANS AND SURGEONS	.1	.02	.1	.03	.0	.00	.0	.00		
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.1	.02	.0	.00	.0	.00		
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS	.0	.00	1.3	.37	.0	.00	.2	.11		
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,OTHER	.0	.00	1.3	.37	.0	.00	.2	.11		
SOCIAL SCIENTISTS	.1	.06	.4	.11	.0	.00	.2	.15		
ECONOMISTS	.0	.01	.1	.02	.0	.00	.1	.04		
STATISTICIANS + ACTUARIES	.1	.05	.3	.08	.0	.00	.2	.11		
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER PROF,TECH AND KINDRED	4.1	1.85	45.2	12.74	.6	2.75	3.3	2.15		
ACCOUNTANTS AND AUDITORS	2.6	1.19	3.2	.90	.5	2.32	1.8	1.18		
AIRPLANE PILOTS,NAVIGATORS	.0	.02	38.5	10.85	.0	.12	.0	.00		
ARCHITECTS	.0	.01	.0	.00	.0	.00	.0	.00		
WRKRS IN ARTS,ENTERTAINMNT	.0	.02	.3	.09	.0	.00	.2	.15		
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00		
DESIGNERS,EXC DESIGN DRAFT	.0	.01	.0	.01	.0	.00	.0	.00		
EDITORS AND REPORTERS	.0	.00	.3	.07	.0	.00	.2	.13		
LAWYERS AND JUDGES	.1	.03	.2	.05	.0	.16	.2	.14		
LIBRARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
PERSONNEL AND LAB REL WRKS	.4	.20	.7	.21	.0	.04	.1	.03		
PHOTOGRAPHERS	.0	.02	.2	.07	.0	.00	.0	.00		
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROF,TECH,KINDRED,NEC	.8	.34	1.8	.49	.0	.12	.8	.51		
MANAGERS,OFFICIALS,PROPRIETORS	49.2	22.36	22.2	6.24	1.2	5.89	21.0	13.52		
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00		
CREDITMEN	.0	.00	.1	.02	.0	.00	.0	.02		
OFFICERS,PILOTS,ENGRS,SHIP	26.4	12.01	.2	.07	.0	.01	.3	.19		
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00		
PURCHASING AGENTS	.2	.11	.3	.09	.1	.27	.5	.34		
MANAGERS,OFFICE,PROP. NEC	22.5	10.24	21.5	6.06	1.1	5.61	20.1	12.97		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	WATER TRANSPORTATION		AIR TRANSPORTATION		PIPELINES		TRANSPORTATION SERVICES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	35.5	16.13	116.3	32.77	4.0	20.11	90.7	58.53		
STENOS,TYPISTS,SECRETARIES	6.6	2.98	16.5	4.64	1.0	5.05	16.2	10.45		
OFFICE MACHINE OPERATORS	1.6	.71	2.6	.74	.3	1.33	3.3	2.13		
OTHER CLERICAL,KINDRED WRKRS	27.4	12.43	97.2	27.39	2.7	13.74	71.2	45.95		
ACCOUNTING CLERKS	1.5	.68	2.1	.59	.7	3.29	2.7	1.77		
BOOKKEEPERS,HAND	.0	.00	.0	.00	.0	.00	1.6	1.01		
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00		
CASHIERS	.3	.14	.6	.17	.0	.17	16.6	10.71		
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00		
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00		
SHIPPING,RECEIVING CLERKS	2.3	1.06	.6	.17	.0	.00	2.7	1.74		
TELEPHONE OPERATORS	.2	.09	1.3	.35	.0	.23	1.1	.72		
CLERICAL AND KINDRED,NEC	23.0	10.47	92.7	26.11	2.0	10.06	46.5	30.00		
SALES WORKERS	1.3	.60	2.1	.58	.0	.15	8.1	5.20		
CRAFTSMEN,FOREMEN AND KINDRED	16.0	7.26	83.9	23.64	7.9	39.70	9.7	6.24		
CONSTRUCTION CRAFTSMEN	3.4	1.57	4.9	1.37	.7	3.36	1.3	.85		
CARPENTERS	1.9	.86	.4	.10	.0	.14	.3	.22		
BRICKMASONS AND TILE SETRS	.0	.00	.0	.00	.0	.00	.0	.00		
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTRICIANS	.7	.33	3.1	.87	.4	2.12	.5	.32		
EXCAVATNG,GRADNG MACH OPER	.3	.15	.0	.01	.1	.53	.3	.18		
PAINTERS AND PAPERHANGERS	.5	.21	1.3	.36	.0	.11	.2	.11		
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00		
PLUMBERS AND PIPEFITTERS	.0	.00	.1	.03	.1	.47	.0	.02		
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
STRUCTURAL METALWORKERS	.0	.01	.0	.00	.0	.00	.0	.00		
FOREMEN NEC	3.7	1.70	6.0	1.69	1.9	9.51	2.6	1.70		
METALWKNG CRAFTS EXC MECH	.3	.13	4.8	1.34	.4	1.78	.0	.02		
MACHINISTS AND RELATED OCC	.1	.04	.3	.09	.2	1.21	.0	.00		
BLKSMITHS,FORGMN,HAMMERMEN	.1	.02	.0	.01	.0	.00	.0	.02		
BOILERMAKERS	.0	.01	.0	.00	.0	.00	.0	.00		
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00		
MILLWRIGHTS	.1	.04	.1	.04	.0	.00	.0	.00		
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00		
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00		
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00		
SHEET METAL WORKERS	.0	.01	4.3	1.20	.1	.58	.0	.00		
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PRINTING TRADES CRAFTSMEN	.0	.01	.2	.06	.0	.00	.0	.00		
COMPOSITORS,TYPESETTERS	.0	.01	.1	.03	.0	.00	.0	.00		
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00		
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.1	.04	.0	.00	.0	.00		
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00		
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.0	.00		
TRANSPORT AND PUB UTIL CRAFT	.0	.00	.2	.07	.2	1.07	.4	.26		
LINEMEN AND SERVICEMEN	.0	.00	.2	.07	.2	1.07	.4	.25		
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.01		
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
MECHANICS AND REPAIRMEN	4.0	1.82	65.5	18.45	2.4	12.02	3.4	2.22		
AIRPLANE MECH AND REPAIRMN	.2	.11	53.5	15.06	.1	.30	.1	.03		
MOTOR VEHICLE MECHANICS	.2	.08	.6	.17	.1	.28	.2	.13		
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO AND TV MECHANICS	.0	.01	1.7	.47	.0	.13	.0	.02		
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.1	.08		
OTHER MECHANICS AND REPAIR	3.6	1.62	9.8	2.75	2.3	11.31	3.0	1.96		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	WATER TRANSPORTATION		AIR TRANSPORTATION		PIPELINES		TRANSPORTATION SERVICES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	4.5	2.04	2.3	.65	2.4	11.98	1.8	1.19		
BAKERS	.1	.04	.0	.01	.0	.00	.0	.00		
CABINETMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
CRANE,DERRICK,HOIST MEN	3.0	1.37	.0	.01	.0	.20	.2	.14		
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00		
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00		
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,OTHER	.2	.07	.4	.11	.0	.00	.8	.52		
UPHOLSTERERS	.0	.01	.1	.03	.0	.00	.0	.00		
CRAFTSMEN AND KINDRED NEC	1.2	.54	1.7	.49	2.4	11.78	.8	.53		
OPERATIVES AND KINDRED WORKERS	33.6	15.28	19.3	5.44	3.8	18.76	3.6	2.34		
DRIVERS,OTHER TRAN AND PU OP	22.1	10.04	2.2	.63	.5	2.37	2.4	1.54		
DRIVERS,BUS,TRUCK,TRACTOR	2.4	1.08	1.3	.36	.4	2.11	2.1	1.35		
DELIVERYMEN AND ROUTEMEN	.1	.04	.9	.27	.0	.05	.2	.16		
BRAKEMEN AND SWITCHMEN RR	.0	.02	.0	.00	.0	.00	.0	.00		
POWER STATION OPERATORS	.3	.14	.0	.00	.0	.14	.0	.00		
SAILORS AND DECKHANDS	19.3	8.76	.0	.01	.0	.08	.0	.03		
SEMISKILLED METALWORKING OCC	.6	.29	.9	.27	.2	1.05	.0	.00		
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00		
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00		
WELDERS AND FLAME-CUTTERS	.6	.29	.9	.27	.2	1.05	.0	.00		
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00		
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00		
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER OPERATIVES AND KINDRED	10.9	4.94	16.1	4.54	3.1	15.35	1.2	.80		
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.00	.0	.00		
ATTEND,AUTO SERVICE,PARKNG	.1	.04	.1	.03	.0	.04	.0	.03		
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00		
LAUNDRY,DRY CLEANING OPER	.0	.01	.0	.00	.0	.00	.0	.00		
MEAT CUTTERS,EXC MEATPCKNG	.1	.04	.0	.01	.0	.00	.0	.00		
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00		
OPERATIVES AND KINDRED,NEC	10.7	4.85	16.0	4.51	3.1	15.31	1.2	.77		
SERVICE WORKERS	12.9	5.86	49.6	13.96	.2	.90	9.8	6.32		
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROTECTIVE SERVICE WORKERS	2.1	.96	.9	.26	.1	.34	7.2	4.65		
FIREMEN	.0	.00	.2	.06	.0	.20	.0	.00		
GUARDS,WATCHMEN,DOORKEEPRS	1.7	.77	.4	.11	.0	.15	4.1	2.65		
POLICE,OTH LAW ENFORCE OFF	.4	.19	.3	.10	.0	.00	3.1	2.00		
FOOD SERVICE WORKERS	5.6	2.53	1.4	.39	.0	.00	.1	.06		
BARTENDERS	.1	.04	.0	.00	.0	.00	.0	.00		
COOKS,EXC PRIV HOUSEHOLDS	3.7	1.68	1.0	.28	.0	.00	.1	.06		
COUNTER AND FOUNTAIN WKRS	.0	.01	.3	.09	.0	.00	.0	.00		
WAITERS AND WAITRESSES	1.7	.79	.1	.02	.0	.00	.0	.00		
OTHER SERVICE WORKERS	5.2	2.37	47.3	13.31	.1	.56	2.5	1.62		
AIRLINE STEWARDS,STWRDSSES	.0	.00	32.0	9.01	.0	.00	.0	.00		
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00		
CHARWOMEN AND CLEANERS	.2	.10	.4	.10	.0	.00	.0	.00		
JANITORS AND SEXTONS	.4	.18	2.3	.64	.0	.16	.2	.14		
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
SERVICE WORKERS,NEC	4.6	2.09	12.6	3.55	.1	.40	2.3	1.48		
LABORERS,EXCEPT FARM AND MINE	64.3	29.23	8.3	2.34	.6	2.92	7.2	4.65		
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE		TELEGRAPH		RADIO AND TELEVISION	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	2,215.0	100.00	1,010.0	100.00	855.0	100.00	35.0	100.00	120.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	243.4	10.99	136.4	13.50	79.0	9.24	1.9	5.31	55.5	46.28
ENGINEERS,TECHNICAL	60.3	2.72	21.4	2.12	18.7	2.19	.2	.68	2.5	2.09
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.4	.02	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	9.6	.44	.7	.07	.7	.08	.0	.00	.0	.01
ENGINEERS,ELECTRICAL	37.3	1.68	19.0	1.88	16.6	1.94	.1	.37	2.3	1.91
ENGINEERS,INDUSTRIAL	1.9	.09	.5	.05	.4	.04	.0	.13	.0	.04
ENGINEERS,MECHANICAL	4.5	.20	.2	.02	.2	.02	.0	.05	.0	.03
ENGINEERS,METALLURG,ETC	.6	.03	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	5.8	.26	1.1	.11	.9	.11	.0	.14	.1	.10
NATURAL SCIENTISTS	3.3	.15	.2	.02	.2	.02	.0	.00	.0	.00
CHEMISTS	2.0	.09	.0	.00	.0	.00	.0	.00	.0	.00
AGRICULTURAL SCIENTISTS	.3	.01	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.6	.02	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.4	.02	.1	.01	.1	.01	.0	.00	.0	.00
PHYSICISTS	.1	.00	.1	.01	.1	.01	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	64.0	2.89	29.3	2.90	10.1	1.18	1.1	3.18	18.1	15.05
DRAFTSMEN	10.3	.47	1.1	.11	.9	.11	.1	.26	.0	.02
SURVEYORS	3.5	.16	.0	.00	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	3.5	.16	2.9	.29	.2	.03	.1	.42	2.5	2.11
TECHNICIANS,OTHER	46.7	2.11	25.3	2.50	8.9	1.04	.9	2.50	15.5	12.92
MEDICAL,OTHER HEALTH WORKERS	1.0	.05	.6	.06	.5	.06	.0	.00	.1	.04
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.5	.02	.3	.03	.3	.03	.0	.00	.0	.01
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.1	.00	.1	.01	.1	.01	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.2	.01	.1	.01	.1	.01	.0	.00	.0	.00
PSYCHOLOGISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.2	.01	.1	.01	.1	.01	.0	.00	.0	.00
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.02
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.01
TEACHERS	1.1	.05	1.0	.10	.7	.08	.0	.00	.3	.24
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	1.1	.05	1.0	.10	.7	.08	.0	.00	.3	.24
SOCIAL SCIENTISTS	3.1	.14	.9	.09	.8	.10	.0	.02	.0	.02
ECONOMISTS	1.3	.06	.3	.03	.3	.03	.0	.00	.0	.02
STATISTICIANS + ACTUARIES	1.7	.08	.6	.06	.6	.07	.0	.02	.0	.00
OTHER SOCIAL SCIENTISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	110.6	4.99	83.1	8.22	47.9	5.61	.5	1.43	34.6	28.85
ACCOUNTANTS AND AUDITORS	20.2	.91	7.7	.76	6.5	.76	.1	.20	1.1	.95
AIRPLANE PILOTS,NAVIGATORS	.4	.02	.0	.00	.0	.00	.0	.00	.0	.00
ARCHITECTS	.2	.01	.1	.01	.1	.01	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	6.9	.31	6.7	.66	.6	.07	.0	.06	6.0	5.02
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.02
DESIGNERS,EXC DESIGN DRAFT	1.5	.07	.3	.03	.2	.02	.0	.04	.1	.10
EDITORS AND REPORTERS	5.1	.23	4.8	.47	.2	.02	.0	.04	4.6	3.82
LAWYERS AND JUDGES	1.2	.06	.4	.04	.3	.03	.0	.03	.1	.11
LIBRARIANS	.3	.01	.1	.01	.1	.01	.0	.00	.1	.04
PERSONNEL AND LAB REL WRKS	7.3	.33	5.2	.51	5.0	.59	.0	.02	.1	.12
PHOTOGRAPHERS	.9	.04	.7	.07	.0	.00	.0	.01	.7	.55
SOCIAL AND WELFARE WORKERS	.1	.00	.1	.01	.1	.01	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	66.5	3.00	57.0	5.64	34.9	4.08	.4	1.04	21.7	18.11
MANAGERS,OFFICIALS,PROPRIETORS	129.7	5.85	64.0	6.34	31.9	3.73	3.4	9.65	28.7	23.94
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.4	.02	.1	.01	.0	.00	.0	.00	.1	.08
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	2.5	.11	.2	.02	.1	.01	.0	.00	.1	.07
MANAGERS,OFFICE,PROP. NEC	126.7	5.72	63.8	6.32	31.9	3.73	3.4	9.65	28.6	23.79

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE		TELEGRAPH		RADIO AND TELEVISION	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	666.1	30.07	470.8	46.62	431.5	50.47	20.0	57.26	19.3	16.08
STENOS,TYPISTS,SECRETARIES	85.1	3.84	45.9	4.54	32.2	3.76	3.6	10.37	10.0	8.37
OFFICE MACHINE OPERATORS	28.0	1.26	16.4	1.62	15.5	1.82	.3	.73	.6	.51
OTHER CLERICAL,KINDRED WRKRS	553.0	24.97	408.6	40.45	383.8	44.89	16.2	46.16	8.6	7.19
ACCOUNTING CLERKS	22.5	1.02	11.5	1.14	10.5	1.22	.3	.73	.8	.68
BOOKKEEPERS,HAND	8.1	.37	1.4	.14	.0	.00	.3	.79	1.1	.96
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	14.4	.65	5.8	.58	5.5	.64	.3	.85	.0	.01
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	.9	.04	.4	.04	.4	.05	.0	.00	.0	.00
TELEPHONE OPERATORS	244.1	11.02	242.0	23.96	240.0	28.07	1.5	4.26	.5	.43
CLERICAL AND KINDRED,NEC	263.0	11.87	147.4	14.59	127.4	14.90	13.8	39.53	6.1	5.12
SALES WORKERS	29.4	1.33	20.6	2.04	13.1	1.53	.7	2.06	6.8	5.66
CRAFTSMEN,FOREMEN AND KINDRED	669.7	30.23	280.4	27.76	268.6	31.41	7.3	20.90	4.5	3.76
CONSTRUCTION CRAFTSMEN	48.9	2.21	1.9	.19	1.0	.12	.1	.17	.8	.70
CARPENTERS	2.4	.11	.5	.05	.3	.03	.0	.07	.2	.17
BRICKMASONS AND TILE SETRS	.5	.02	.0	.00	.0	.00	.0	.00	.0	.03
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	16.8	.76	1.1	.11	.6	.07	.0	.08	.5	.38
EXCAVATNG,GRADNG MACH OPER	8.5	.38	.0	.00	.0	.00	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	2.4	.11	.3	.03	.1	.02	.0	.02	.1	.12
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	17.7	.80	.0	.00	.0	.00	.0	.00	.0	.00
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.5	.02	.0	.00	.0	.00	.0	.00	.0	.00
FOREMEN NEC	72.4	3.27	5.6	.56	4.9	.58	.6	1.73	.1	.10
METALWKNG CRAFTS EXC MECH	4.7	.21	.0	.00	.0	.00	.0	.01	.0	.00
MACHINISTS AND RELATED OCC	2.4	.11	.0	.00	.0	.00	.0	.01	.0	.00
BLKSMITHS,FORGMN,HAMMERMEN	.4	.02	.0	.00	.0	.00	.0	.00	.0	.00
BOILERMAKERS	1.1	.05	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.1	.01	.0	.00	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.3	.01	.0	.00	.0	.00	.0	.00	.0	.00
TOOLMAKERS AND DIEMAKERS	.3	.01	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	.5	.02	.2	.02	.1	.01	.0	.09	.1	.05
COMPOSITORS,TYPESETTERS	.3	.01	.1	.01	.0	.00	.0	.07	.0	.03
ELECTROTYPERS,STEREOTYPERS	.1	.00	.1	.01	.1	.01	.0	.02	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.03
TRANSPORT AND PUB UTIL CRAFT	353.5	15.96	256.6	25.40	250.3	29.27	5.8	16.45	.5	.45
LINEMEN AND SERVICEMEN	352.9	15.93	256.3	25.38	250.0	29.24	5.8	16.45	.5	.45
LOCOMOTIVE ENGINEERS	.5	.02	.3	.03	.3	.03	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	123.7	5.59	9.4	.93	8.1	.94	.3	.98	1.0	.86
AIRPLANE MECH AND REPAIRMN	.1	.00	.1	.01	.1	.01	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	9.8	.44	1.0	.10	1.0	.11	.0	.04	.0	.00
OFFICE MACHINE MECHANICS	.4	.02	.3	.03	.3	.03	.0	.00	.0	.00
RADIO AND TV MECHANICS	1.4	.06	1.2	.12	.7	.08	.1	.25	.4	.33
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	112.1	5.06	6.9	.68	6.0	.70	.2	.69	.6	.53

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE		TELEGRAPH		RADIO AND TELEVISION	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	66.1	2.98	6.7	.67	4.3	.50	.5	1.47	1.9	1.60
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.03
CRANE,DERRICK,HOIST MEN	5.0	.23	.0	.00	.0	.00	.0	.00	.0	.00
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.04	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	18.2	.82	2.1	.21	1.8	.22	.3	.79	.0	.00
UPHOLSTERERS	.1	.01	.1	.01	.1	.01	.0	.00	.0	.03
CRAFTSMEN AND KINDRED NEC	42.7	1.93	4.4	.44	2.4	.28	.2	.65	1.8	1.54
OPERATIVES AND KINDRED WORKERS	238.5	10.77	10.5	1.04	7.1	.83	1.1	3.15	2.3	1.94
DRIVERS,OTHER TRAN AND PU OP	139.5	6.30	3.9	.39	3.4	.39	.4	1.24	.1	.11
DRIVERS,BUS,TRUCK,TRACTOR	119.8	5.41	2.0	.20	1.9	.22	.0	.05	.1	.07
DELIVERYMEN AND ROUTEMEN	5.9	.27	1.9	.19	1.5	.17	.4	1.19	.0	.04
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	13.5	.61	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.3	.01	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	7.8	.35	.1	.01	.0	.00	.1	.36	.0	.00
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	7.8	.35	.1	.01	.0	.00	.1	.36	.0	.00
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	91.3	4.12	6.5	.64	3.7	.43	.5	1.55	2.2	1.83
ASBESTOS,INSULATION WKRS	.3	.01	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.9	.04	.2	.02	.2	.02	.0	.00	.0	.00
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	90.0	4.06	6.3	.62	3.6	.42	.5	1.55	2.2	1.83
SERVICE WORKERS	39.3	1.78	21.4	2.12	18.7	2.19	.6	1.57	2.2	1.80
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	4.7	.21	.7	.07	.4	.04	.2	.51	.2	.16
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	4.2	.19	.6	.06	.3	.03	.2	.51	.1	.12
POLICE,OTH LAW ENFORCE OFF	.5	.02	.1	.01	.1	.01	.0	.00	.1	.04
FOOD SERVICE WORKERS	2.8	.13	2.7	.26	2.6	.30	.0	.03	.0	.03
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	1.0	.05	1.0	.10	1.0	.11	.0	.03	.0	.03
COUNTER AND FOUNTAIN WKRS	.8	.04	.8	.08	.8	.09	.0	.00	.0	.00
WAITERS AND WAITRESSES	.9	.04	.9	.09	.9	.10	.0	.00	.0	.00
OTHER SERVICE WORKERS	31.9	1.44	18.0	1.78	15.7	1.84	.4	1.03	1.9	1.61
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	4.5	.20	2.8	.28	2.5	.29	.1	.15	.3	.27
JANITORS AND SEXTONS	17.6	.79	9.8	.97	9.2	1.08	.2	.44	.4	.37
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	9.8	.44	5.3	.53	4.0	.47	.2	.45	1.2	.97
LABORERS,EXCEPT FARM AND MINE	198.9	8.98	5.8	.58	5.1	.60	.0	.09	.6	.54
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION		SANITARY SERVICES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	1,205.0	100.00	680.0	100.00	165.0	100.00	360.0	100.00		
PROFESSIONAL TECHNICAL,KINDRED	107.0	8.88	86.9	12.78	12.4	7.54	7.7	2.13		
ENGINEERS,TECHNICAL	38.9	3.22	30.9	4.54	4.9	2.99	3.0	.84		
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,CHEMICAL	.4	.04	.4	.05	.0	.01	.0	.01		
ENGINEERS,CIVIL	9.0	.75	3.2	.47	3.4	2.04	2.4	.67		
ENGINEERS,ELECTRICAL	18.3	1.52	17.7	2.60	.6	.34	.1	.02		
ENGINEERS,INDUSTRIAL	1.4	.12	1.3	.19	.1	.06	.0	.01		
ENGINEERS,MECHANICAL	4.3	.36	3.6	.53	.3	.20	.4	.11		
ENGINEERS,METALLURG,ETC	.6	.05	.6	.09	.0	.00	.0	.00		
ENGINEERS,MINING	.1	.01	.1	.01	.0	.00	.0	.01		
OTHER ENGINEERS,TECHNICAL	4.7	.39	4.1	.60	.6	.35	.0	.01		
NATURAL SCIENTISTS	3.2	.26	1.2	.17	1.0	.59	1.0	.29		
CHEMISTS	2.0	.16	.6	.09	.4	.24	1.0	.27		
AGRICULTURAL SCIENTISTS	.3	.02	.1	.01	.2	.13	.0	.00		
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
GEOLOGISTS,GEOPHYSICISTS	.6	.05	.3	.04	.3	.15	.0	.00		
MATHEMATICIANS	.3	.02	.2	.03	.1	.04	.0	.01		
PHYSICISTS	.0	.00	.0	.00	.0	.01	.0	.00		
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.01	.0	.00		
TECHNICIANS,EXC MEDICAL,DENT	34.7	2.88	27.1	3.98	4.7	2.83	3.0	.82		
DRAFTSMEN	9.3	.77	8.2	1.20	.8	.47	.3	.08		
SURVEYORS	3.5	.29	2.5	.36	.9	.52	.1	.03		
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO OPERATORS	.5	.04	.4	.06	.1	.09	.0	.00		
TECHNICIANS,OTHER	21.5	1.78	16.0	2.36	2.9	1.75	2.5	.70		
MEDICAL,OTHER HEALTH WORKERS	.4	.04	.4	.06	.0	.00	.0	.01		
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.01		
NURSES,PROFESSIONAL	.2	.02	.2	.03	.0	.00	.0	.00		
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00		
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00		
PHYSICIANS AND SURGEONS	.1	.01	.1	.01	.0	.00	.0	.00		
PSYCHOLOGISTS	.1	.00	.1	.01	.0	.00	.0	.00		
TECHNICIANS,MEDICAL,DENTAL	.1	.01	.1	.01	.0	.00	.0	.00		
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS	.1	.01	.1	.01	.0	.00	.0	.00		
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,OTHER	.1	.01	.1	.01	.0	.00	.0	.00		
SOCIAL SCIENTISTS	2.2	.19	2.2	.33	.0	.01	.0	.00		
ECONOMISTS	1.0	.09	1.0	.15	.0	.01	.0	.00		
STATISTICIANS + ACTUARIES	1.1	.09	1.1	.16	.0	.00	.0	.00		
OTHER SOCIAL SCIENTISTS	.1	.01	.1	.01	.0	.00	.0	.00		
OTHER PROF,TECH AND KINDRED	27.5	2.29	25.1	3.69	1.9	1.12	.6	.17		
ACCOUNTANTS AND AUDITORS	12.5	1.04	10.6	1.56	1.5	.92	.4	.10		
AIRPLANE PILOTS,NAVIGATORS	.4	.04	.4	.06	.0	.00	.0	.00		
ARCHITECTS	.1	.01	.1	.02	.0	.00	.0	.00		
WRKRS IN ARTS,ENTERTAINMNT	.3	.02	.2	.03	.0	.01	.0	.01		
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00		
DESIGNERS,EXC DESIGN DRAFT	1.2	.10	1.2	.18	.0	.01	.0	.00		
EDITORS AND REPORTERS	.3	.02	.3	.04	.0	.00	.0	.00		
LAWYERS AND JUDGES	.8	.07	.8	.12	.0	.00	.0	.00		
LIBRARIANS	.2	.01	.2	.02	.0	.00	.0	.00		
PERSONNEL AND LAB REL WRKS	2.1	.17	2.0	.30	.0	.03	.0	.00		
PHOTOGRAPHERS	.2	.02	.2	.03	.0	.02	.0	.00		
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROF,TECH,KINDRED,NEC	9.5	.79	9.0	1.33	.2	.14	.2	.05		
MANAGERS,OFFICIALS,PROPRIETORS	65.6	5.44	42.7	6.28	14.3	8.68	8.6	2.38		
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00		
CREDITMEN	.3	.03	.2	.03	.1	.05	.0	.01		
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.01		
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00		
PURCHASING AGENTS	2.4	.20	2.0	.29	.3	.20	.1	.03		
MANAGERS,OFFICE,PROP. NEC	62.9	5.22	40.6	5.97	13.9	8.43	8.4	2.33		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION		SANITARY SERVICES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	195.3	16.21	144.2	21.21	39.4	23.85	11.7	3.25		
STENOS,TYPISTS,SECRETARIES	39.2	3.26	29.9	4.40	6.6	3.98	2.7	.76		
OFFICE MACHINE OPERATORS	11.6	.96	9.2	1.35	2.4	1.46	.0	.01		
OTHER CLERICAL,KINDRED WRKRS	144.4	11.99	105.1	15.46	30.4	18.42	8.9	2.48		
ACCOUNTING CLERKS	11.0	.91	7.2	1.06	2.9	1.74	.9	.25		
BOOKKEEPERS,HAND	6.7	.56	4.6	.68	1.6	.99	.4	.11		
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00		
CASHIERS	8.6	.71	7.1	1.04	1.4	.84	.1	.03		
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00		
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00		
SHIPPING,RECEIVING CLERKS	.5	.04	.5	.07	.0	.01	.0	.00		
TELEPHONE OPERATORS	2.1	.17	1.8	.27	.1	.06	.1	.04		
CLERICAL AND KINDRED,NEC	115.6	9.59	83.9	12.34	24.4	14.77	7.3	2.04		
SALES WORKERS	8.9	.73	8.4	1.23	.1	.07	.4	.10		
CRAFTSMEN,FOREMEN AND KINDRED	389.3	32.30	284.1	41.78	57.6	34.92	47.5	13.20		
CONSTRUCTION CRAFTSMEN	47.0	3.90	35.0	5.14	6.7	4.07	5.3	1.48		
CARPENTERS	1.9	.16	1.4	.20	.3	.19	.2	.07		
BRICKMASONS AND TILE SETRS	.5	.04	.3	.04	.1	.06	.1	.03		
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.03	.0	.00		
ELECTRICIANS	15.7	1.31	15.0	2.21	.3	.19	.4	.11		
EXCAVATNG,GRADNG MACH OPER	8.5	.70	2.6	.38	2.0	1.22	3.9	1.08		
PAINTERS AND PAPERHANGERS	2.1	.18	1.8	.27	.2	.11	.1	.04		
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00		
PLUMBERS AND PIPEFITTERS	17.7	1.47	13.4	1.97	3.8	2.27	.5	.15		
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
STRUCTURAL METALWORKERS	.5	.04	.5	.07	.0	.00	.0	.01		
FOREMEN NEC	66.8	5.54	43.6	6.41	9.6	5.81	13.6	3.77		
METALWKNG CRAFTS EXC MECH	4.7	.39	3.6	.54	.5	.29	.5	.15		
MACHINISTS AND RELATED OCC	2.4	.20	1.7	.26	.3	.18	.4	.11		
BLKSMITHS,FORGMN,HAMMERMEN	.4	.03	.2	.02	.2	.09	.1	.02		
BOILERMAKERS	1.1	.09	1.1	.17	.0	.00	.0	.00		
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00		
MILLWRIGHTS	.1	.01	.1	.01	.0	.02	.0	.01		
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00		
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00		
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00		
SHEET METAL WORKERS	.3	.02	.3	.04	.0	.00	.0	.00		
TOOLMAKERS AND DIEMAKERS	.3	.02	.3	.04	.0	.00	.0	.00		
PRINTING TRADES CRAFTSMEN	.3	.02	.2	.04	.0	.02	.0	.00		
COMPOSITORS,TYPESETTERS	.2	.02	.2	.03	.0	.02	.0	.00		
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00		
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00		
PHOTOENGRVRS,LITHOGRAPHERS	.1	.01	.1	.01	.0	.00	.0	.00		
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.0	.00		
TRANSPORT AND PUB UTIL CRAFT	96.9	8.04	96.1	14.14	.7	.44	.0	.01		
LINEMEN AND SERVICEMEN	96.6	8.02	95.9	14.10	.7	.44	.0	.00		
LOCOMOTIVE ENGINEERS	.2	.02	.2	.03	.0	.00	.0	.01		
LOCOMOTIVE FIREMEN	.1	.01	.1	.01	.0	.00	.0	.00		
MECHANICS AND REPAIRMEN	114.3	9.49	74.8	11.00	24.7	14.99	14.8	4.11		
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.00		
MOTOR VEHICLE MECHANICS	8.8	.73	4.4	.65	.6	.35	3.8	1.06		
OFFICE MACHINE MECHANICS	.1	.00	.1	.01	.0	.00	.0	.00		
RADIO AND TV MECHANICS	.2	.02	.1	.02	.1	.04	.0	.00		
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MECHANICS AND REPAIR	105.2	8.73	70.2	10.32	24.1	14.60	11.0	3.05		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION		SANITARY SERVICES			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	59.4	4.93	30.7	4.52	15.4	9.30	13.3	3.69		
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
CABINETMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
CRANE,DERRICK,HOIST MEN	5.0	.42	1.7	.25	.5	.32	2.8	.78		
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00		
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00		
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,OTHER	16.1	1.33	6.8	1.01	3.3	1.99	5.9	1.65		
UPHOLSTERERS	.0	.00	.0	.00	.0	.00	.0	.00		
CRAFTSMEN AND KINDRED NEC	38.3	3.17	22.2	3.26	11.5	6.99	4.5	1.26		
OPERATIVES AND KINDRED WORKERS	228.0	18.92	70.7	10.40	24.7	14.98	132.5	36.81		
DRIVERS,OTHER TRAN AND PU OP	135.5	11.25	31.0	4.56	5.0	3.01	99.5	27.64		
DRIVERS,BUS,TRUCK,TRACTOR	117.8	9.77	15.9	2.34	4.1	2.46	97.8	27.17		
DELIVERYMEN AND ROUTEMEN	3.9	.33	2.2	.32	.3	.20	1.4	.40		
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00		
POWER STATION OPERATORS	13.5	1.12	12.9	1.90	.6	.35	.0	.01		
SAILORS AND DECKHANDS	.3	.02	.1	.01	.0	.00	.2	.06		
SEMISKILLED METALWORKING OCC	7.6	.63	7.2	1.06	.2	.12	.3	.07		
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00		
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00		
WELDERS AND FLAME-CUTTERS	7.6	.63	7.2	1.06	.2	.12	.3	.07		
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00		
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00		
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER OPERATIVES AND KINDRED	84.8	7.04	32.5	4.78	19.5	11.84	32.8	9.10		
ASBESTOS,INSULATION WKRS	.3	.03	.3	.05	.0	.00	.0	.00		
ATTEND,AUTO SERVICE,PARKNG	.8	.06	.7	.11	.0	.02	.0	.00		
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00		
LAUNDRY,DRY CLEANING OPER	.0	.00	.0	.00	.0	.00	.0	.00		
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00		
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00		
OPERATIVES AND KINDRED,NEC	83.7	6.95	31.4	4.62	19.5	11.83	32.8	9.10		
SERVICE WORKERS	17.9	1.49	13.1	1.93	2.1	1.27	2.7	.75		
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROTECTIVE SERVICE WORKERS	4.0	.33	2.0	.29	.7	.42	1.3	.35		
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
GUARDS,WATCHMEN,DOORKEEPRS	3.6	.30	1.9	.28	.7	.42	1.0	.29		
POLICE,OTH LAW ENFORCE OFF	.3	.03	.1	.02	.0	.00	.2	.06		
FOOD SERVICE WORKERS	.1	.01	.1	.02	.0	.00	.0	.00		
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00		
COOKS,EXC PRIV HOUSEHOLDS	.0	.00	.0	.00	.0	.00	.0	.00		
COUNTER AND FOUNTAIN WKRS	.1	.00	.1	.01	.0	.00	.0	.00		
WAITERS AND WAITRESSES	.1	.01	.1	.01	.0	.00	.0	.00		
OTHER SERVICE WORKERS	13.9	1.15	11.0	1.62	1.4	.85	1.4	.40		
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00		
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00		
CHARWOMEN AND CLEANERS	1.6	.14	1.2	.17	.4	.22	.1	.03		
JANITORS AND SEXTONS	7.8	.64	6.5	.96	.7	.44	.5	.14		
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
SERVICE WORKERS,NEC	4.5	.37	3.3	.49	.3	.19	.8	.22		
LABORERS,EXCEPT FARM AND MINE	193.0	16.02	29.7	4.37	14.3	8.68	149.0	41.38		
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS		DRY GOODS AND APPAREL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	18,455.0	100.00	4,405.0	100.00	395.0	100.00	260.0	100.00	180.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	398.4	2.16	152.0	3.45	6.1	1.55	14.3	5.49	5.1	2.82
ENGINEERS,TECHNICAL	31.8	.16	28.7	.65	1.0	.24	1.8	.68	.5	.28
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.5	.00	.5	.01	.0	.00	.4	.14	.0	.02
ENGINEERS,CIVIL	.6	.00	.5	.01	.0	.00	.0	.00	.0	.00
ENGINEERS,ELECTRICAL	2.3	.01	2.2	.05	.0	.00	.0	.00	.1	.05
ENGINEERS,INDUSTRIAL	.9	.00	.6	.01	.0	.01	.1	.04	.1	.07
ENGINEERS,MECHANICAL	2.4	.01	1.4	.03	.0	.00	.2	.06	.1	.07
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.1	.00	.1	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	25.1	.14	23.4	.53	.9	.23	1.1	.43	.1	.07
NATURAL SCIENTISTS	4.7	.03	4.5	.10	.0	.00	.5	.20	.0	.02
CHEMISTS	1.3	.01	1.2	.03	.0	.00	.4	.17	.0	.02
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	3.2	.02	3.2	.07	.0	.00	.0	.00	.0	.00
PHYSICISTS	.1	.00	.1	.00	.0	.00	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.1	.00	.1	.00	.0	.00	.1	.03	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	39.9	.22	32.8	.75	.9	.23	3.6	1.37	.7	.36
DRAFTSMEN	8.6	.05	6.1	.14	.0	.00	.5	.21	.0	.00
SURVEYORS	.7	.00	.7	.02	.1	.03	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	30.6	.17	26.1	.59	.8	.19	3.0	1.16	.7	.36
MEDICAL,OTHER HEALTH WORKERS	115.9	.63	1.6	.04	.0	.01	.8	.32	.1	.03
DENTISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	1.4	.01	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	1.6	.01	.3	.01	.0	.01	.0	.01	.1	.03
OPTOMETRISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	111.1	.61	.7	.02	.0	.00	.7	.27	.0	.00
PHYSICIANS AND SURGEONS	.8	.00	.1	.00	.0	.00	.1	.04	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.6	.00	.4	.01	.0	.00	.0	.00	.0	.00
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.3	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	14.6	.08	3.9	.09	.3	.09	.0	.00	.0	.00
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	14.6	.08	3.9	.09	.3	.09	.0	.00	.0	.00
SOCIAL SCIENTISTS	5.4	.03	3.8	.09	.2	.05	.4	.15	.0	.00
ECONOMISTS	2.6	.01	2.3	.05	.1	.03	.3	.11	.0	.00
STATISTICIANS + ACTUARIES	2.8	.02	1.5	.03	.1	.02	.1	.04	.0	.00
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	186.1	1.01	76.8	1.74	3.7	.93	7.2	2.77	3.8	2.13
ACCOUNTANTS AND AUDITORS	68.9	.38	41.3	.94	2.1	.54	3.2	1.24	1.4	.77
AIRPLANE PILOTS,NAVIGATORS	1.3	.01	1.0	.02	.0	.00	.0	.00	.0	.00
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	30.3	.16	1.0	.02	.0	.00	.0	.01	.3	.15
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	11.7	.06	3.2	.07	.1	.02	.1	.04	.8	.42
EDITORS AND REPORTERS	4.8	.03	.8	.02	.0	.00	.2	.07	.0	.00
LAWYERS AND JUDGES	2.2	.01	1.4	.03	.0	.00	.3	.11	.0	.00
LIBRARIANS	.3	.00	.2	.00	.0	.00	.2	.07	.0	.00
PERSONNEL AND LAB REL WRKS	18.4	.10	4.2	.10	.1	.03	.3	.11	.0	.00
PHOTOGRAPHERS	2.4	.01	.5	.01	.0	.00	.1	.04	.1	.05
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
PROF,TECH,KINDRED,NEC	45.8	.25	23.1	.52	1.3	.34	2.8	1.07	.3	.74
MANAGERS,OFFICIALS,PROPRIETORS	3,638.7	19.72	945.3	21.46	111.3	28.17	47.6	18.31	44.9	24.95
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	47.8	.26	14.7	.33	.8	.21	.7	.27	.8	.42
OFFICERS,PILOTS,ENGRS,SHIP	.2	.00	.2	.01	.0	.01	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	28.6	.15	20.9	.47	2.2	.57	.6	.22	.8	.43
MANAGERS,OFFICE,PROP. NEC	3,562.2	19.31	909.5	20.65	108.1	27.38	46.3	17.82	43.4	24.10

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS		DRY GOODS AND APPAREL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	3,160.3	17.12	976.0	22.16	95.1	24.09	76.6	29.45	48.7	27.03
STENOS,TYPISTS,SECRETARIES	424.8	2.30	228.5	5.19	11.6	2.95	16.6	6.39	9.6	5.34
OFFICE MACHINE OPERATORS	179.3	.97	94.3	2.14	9.6	2.43	5.9	2.27	3.6	1.97
OTHER CLERICAL,KINDRED WRKRS	2,556.2	13.85	653.1	14.83	73.9	18.71	54.1	20.79	35.5	19.72
ACCOUNTING CLERKS	141.4	.77	64.6	1.47	4.1	1.03	2.0	.75	2.8	1.57
BOOKKEEPERS,HAND	377.5	2.05	93.7	2.13	12.2	3.09	.0	.00	5.8	3.23
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	773.0	4.18	6.8	.16	.2	.05	.7	.26	.3	.15
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	111.5	.60	61.3	1.39	7.7	1.96	5.0	1.93	6.3	3.51
TELEPHONE OPERATORS	41.6	.23	14.6	.33	1.1	.29	.7	.26	.5	.25
CLERICAL AND KINDRED,NEC	1,111.1	6.02	412.1	9.35	48.5	12.29	45.7	17.59	19.8	11.00
SALES WORKERS	4,138.0	22.42	893.2	20.28	102.8	26.03	65.3	25.10	53.5	29.73
CRAFTSMEN,FOREMEN AND KINDRED	1,513.8	8.20	358.2	8.13	24.7	6.24	7.5	2.87	4.5	2.50
CONSTRUCTION CRAFTSMEN	95.7	.52	16.6	.38	.4	.10	.4	.15	.0	.00
CARPENTERS	42.5	.23	6.8	.15	.0	.00	.3	.12	.0	.00
BRICKMASONS AND TILE SETRS	9.3	.05	.3	.01	.0	.00	.0	.00	.0	.00
CEMENT,CONCRETE FINISHERS	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	9.2	.05	3.1	.07	.1	.04	.0	.00	.0	.00
EXCAVATNG,GRADNG MACH OPER	2.9	.02	1.2	.03	.0	.00	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	14.4	.07	2.5	.06	.2	.04	.1	.03	.0	.00
PLASTERERS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	14.0	.08	2.4	.05	.1	.02	.0	.00	.0	.00
ROOFERS AND SLATERS	2.8	.02	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.4	.00	.4	.01	.0	.00	.0	.00	.0	.00
FOREMEN NEC	186.0	1.01	101.0	2.29	10.2	2.59	5.0	1.93	3.3	1.81
METALWKNG CRAFTS EXC MECH	7.1	.03	3.2	.07	.2	.04	.0	.01	.0	.00
MACHINISTS AND RELATED OCC	.7	.00	.6	.01	.0	.00	.0	.00	.0	.00
BLKSMITHS,FORGMN,HAMMERMEN	.4	.00	.3	.01	.1	.02	.0	.00	.0	.00
BOILERMAKERS	.2	.00	.2	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.5	.00	.2	.00	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.3	.00	.3	.01	.0	.00	.0	.01	.0	.00
ROLLERS AND ROLL HANDS	.2	.00	.2	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	4.7	.03	1.4	.03	.0	.00	.0	.00	.0	.00
TOOLMAKERS AND DIEMAKERS	.1	.00	.1	.00	.1	.02	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	7.1	.04	1.7	.04	.1	.03	.1	.04	.0	.00
COMPOSITORS,TYPESETTERS	4.4	.03	1.2	.03	.1	.02	.1	.03	.0	.00
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.7	.00	.2	.00	.0	.00	.0	.01	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.1	.00	.1	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	1.9	.01	.3	.01	.0	.01	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.3	.00	.1	.00	.0	.00	.0	.00	.0	.00
LINEMEN AND SERVICEMEN	.3	.00	.1	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	931.3	5.05	195.3	4.43	13.0	3.28	1.5	.59	.3	.15
AIRPLANE MECH AND REPAIRMN	3.2	.02	1.7	.04	.0	.00	.0	.01	.0	.00
MOTOR VEHICLE MECHANICS	496.3	2.69	16.2	.37	6.9	1.74	.0	.00	.0	.00
OFFICE MACHINE MECHANICS	75.0	.41	58.7	1.33	.0	.00	.0	.00	.0	.02
RADIO AND TV MECHANICS	39.5	.21	1.9	.04	.0	.00	.0	.00	.0	.00
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	317.3	1.72	116.8	2.65	6.1	1.54	1.5	.58	.2	.13

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS		DRY GOODS AND APPAREL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	286.4	1.55	40.3	.91	.8	.20	.4	.15	1.0	.55
BAKERS	30.0	.16	.3	.01	.0	.00	.0	.00	.0	.00
CABINETMAKERS	25.9	.14	.3	.01	.1	.03	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	13.0	.07	11.9	.27	.0	.01	.0	.00	.0	.00
GLAZIERS	12.3	.07	2.9	.07	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	18.9	.10	.8	.02	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	12.6	.07	.7	.02	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	2.7	.01	.7	.02	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	9.3	.05	5.4	.12	.1	.03	.2	.06	.3	.18
UPHOLSTERERS	17.3	.09	.1	.00	.0	.00	.0	.00	.0	.01
CRAFTSMEN AND KINDRED NEC	144.4	.79	17.1	.39	.5	.13	.2	.09	.6	.36
OPERATIVES AND KINDRED WORKERS	2,316.1	12.55	800.7	18.18	41.0	10.37	37.8	14.54	19.4	10.78
DRIVERS,OTHER TRAN AND PU OP	809.8	4.39	414.5	9.41	23.7	6.00	22.0	8.45	3.7	2.04
DRIVERS,BUS,TRUCK,TRACTOR	449.1	2.43	240.7	5.46	12.6	3.20	15.2	5.84	1.8	1.00
DELIVERYMEN AND ROUTEMEN	359.1	1.95	172.6	3.92	11.1	2.81	6.8	2.61	1.9	1.04
BRAKEMEN AND SWITCHMEN RR	.3	.00	.2	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	1.1	.01	1.0	.02	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	25.9	.14	20.7	.47	1.4	.37	.0	.01	.0	.00
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	25.9	.14	20.7	.47	1.4	.37	.0	.01	.0	.00
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.7	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.7	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	1,479.7	8.01	365.4	8.30	15.8	4.00	15.8	6.07	15.7	8.73
ASBESTOS,INSULATION WKRS	1.3	.01	.7	.02	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	476.1	2.57	.5	.01	.4	.11	.0	.02	.0	.00
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	2.1	.01	.1	.00	.0	.00	.0	.00	.1	.05
MEAT CUTTERS,EXC MEATPCKNG	212.0	1.15	19.8	.45	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	788.2	4.27	344.3	7.82	15.4	3.89	15.7	6.05	15.6	8.68
SERVICE WORKERS	2,548.6	13.81	40.2	.91	2.8	.70	2.3	.90	2.0	1.11
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	17.9	.10	4.3	.10	.2	.04	.1	.03	.3	.18
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	15.8	.09	3.9	.09	.2	.04	.1	.03	.2	.13
POLICE,OTH LAW ENFORCE OFF	2.1	.01	.5	.01	.0	.00	.0	.00	.1	.05
FOOD SERVICE WORKERS	1,825.7	9.89	1.6	.04	.2	.05	.3	.13	.0	.02
BARTENDERS	205.0	1.11	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	480.6	2.60	1.0	.02	.0	.01	.2	.09	.0	.00
COUNTER AND FOUNTAIN WKRS	179.7	.97	.1	.00	.0	.01	.0	.00	.0	.00
WAITERS AND WAITRESSES	960.3	5.21	.5	.01	.1	.03	.1	.04	.0	.02
OTHER SERVICE WORKERS	705.0	3.82	34.2	.78	2.4	.61	1.9	.74	1.6	.91
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	55.7	.30	7.4	.17	.1	.02	.4	.17	.0	.02
JANITORS AND SEXTONS	68.7	.37	10.6	.24	1.3	.33	.5	.19	.2	.10
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	580.6	3.15	16.2	.37	1.0	.26	1.0	.38	1.4	.79
LABORERS,EXCEPT FARM AND MINE	741.2	4.02	239.5	5.44	11.3	2.85	8.7	3.35	1.9	1.08
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	545.0	100.00	550.0	100.00	875.0	100.00	1,600.0	100.00		
PROFESSIONAL TECHNICAL,KINDRED	4.9	.90	20.3	3.68	54.0	6.17	47.4	2.96		
ENGINEERS,TECHNICAL	.2	.03	6.9	1.25	13.5	1.54	4.9	.31		
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,CHEMICAL	.0	.00	.0	.00	.1	.01	.0	.00		
ENGINEERS,CIVIL	.0	.00	.1	.01	.0	.00	.5	.03		
ENGINEERS,ELECTRICAL	.0	.00	.1	.02	1.8	.20	.2	.01		
ENGINEERS,INDUSTRIAL	.0	.00	.0	.00	.0	.00	.3	.02		
ENGINEERS,MECHANICAL	.1	.01	.5	.08	.4	.04	.2	.01		
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00		
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.1	.01		
OTHER ENGINEERS,TECHNICAL	.1	.02	6.2	1.13	11.3	1.29	3.6	.22		
NATURAL SCIENTISTS	.2	.03	.2	.04	3.1	.35	.5	.03		
CHEMISTS	.2	.03	.1	.01	.0	.00	.5	.03		
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00		
MATHEMATICIANS	.0	.00	.2	.03	3.0	.34	.0	.00		
PHYSICISTS	.0	.00	.0	.00	.1	.01	.0	.00		
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,EXC MEDICAL,DENT	1.4	.25	4.2	.76	13.8	1.57	8.4	.53		
DRAFTSMEN	.1	.02	.0	.00	2.1	.24	3.3	.21		
SURVEYORS	.0	.00	.0	.00	.4	.04	.2	.01		
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00		
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,OTHER	1.2	.23	4.2	.76	11.3	1.29	4.9	.31		
MEDICAL,OTHER HEALTH WORKERS	.1	.02	.1	.01	.3	.03	.2	.01		
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00		
NURSES,PROFESSIONAL	.0	.00	.1	.01	.0	.00	.2	.01		
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00		
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00		
PHYSICIANS AND SURGEONS	.0	.00	.0	.00	.0	.00	.0	.00		
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00		
TECHNICIANS,MEDICAL,DENTAL	.1	.02	.0	.00	.3	.03	.0	.00		
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS	.0	.00	.4	.07	2.2	.25	.9	.06		
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00		
TEACHERS,OTHER	.0	.00	.4	.07	2.2	.25	.9	.06		
SOCIAL SCIENTISTS	.1	.02	.7	.13	.5	.06	1.9	.12		
ECONOMISTS	.0	.01	.5	.09	.4	.05	.9	.06		
STATISTICIANS + ACTUARIES	.1	.01	.2	.04	.1	.01	1.0	.06		
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER PROF,TECH AND KINDRED	3.0	.55	7.8	1.42	20.6	2.35	30.7	1.92		
ACCOUNTANTS AND AUDITORS	1.4	.25	5.8	1.06	9.2	1.05	18.1	1.13		
AIRPLANE PILOTS,NAVIGATORS	.2	.03	.2	.03	.5	.05	.2	.01		
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00		
WRKRS IN ARTS,ENTERTAINMNT	.2	.03	.0	.00	.4	.04	.2	.01		
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00		
DESIGNERS,EXC DESIGN DRAFT	.0	.00	.1	.02	1.0	.12	1.2	.07		
EDITORS AND REPORTERS	.1	.01	.4	.08	.0	.00	.2	.01		
LAWYERS AND JUDGES	.0	.01	.0	.00	.4	.04	.7	.04		
LIBRARIANS	.0	.00	.0	.00	.0	.00	.0	.00		
PERSONNEL AND LAB REL WRKS	.2	.04	.5	.09	.9	.10	2.2	.14		
PHOTOGRAPHERS	.0	.00	.1	.03	.2	.02	.0	.00		
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROF,TECH,KINDRED,NEC	1.0	.18	.6	.12	8.1	.93	7.9	.50		
MANAGERS,OFFICIALS,PROPRIETORS	83.0	15.22	134.9	24.52	184.2	21.05	339.5	21.22		
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00		
CREDITMEN	.2	.04	2.6	.47	3.2	.36	6.4	.40		
OFFICERS,PILOTS,ENGRS,SHIP	.1	.01	.0	.00	.0	.00	.2	.01		
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00		
PURCHASING AGENTS	.2	.03	7.7	1.40	4.6	.52	4.8	.30		
MANAGERS,OFFICE,PROP. NEC	82.5	15.14	124.5	22.64	176.5	20.17	328.1	20.51		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	78.8	14.46	145.9	26.53	195.3	22.32	335.5	20.97		
STENOS,TYPISTS,SECRETARIES	11.9	2.18	37.7	6.85	73.0	8.35	68.1	4.25		
OFFICE MACHINE OPERATORS	10.1	1.85	10.5	1.91	16.7	1.91	37.9	2.37		
OTHER CLERICAL,KINDRED WRKRS	56.9	10.43	97.7	17.77	105.6	12.06	229.6	14.35		
ACCOUNTING CLERKS	7.7	1.42	4.4	.79	16.9	1.93	26.7	1.67		
BOOKKEEPERS,HAND	11.7	2.14	16.0	2.91	10.3	1.17	37.7	2.36		
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00		
CASHIERS	1.7	.31	.6	.11	1.0	.11	2.4	.15		
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00		
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00		
SHIPPING,RECEIVING CLERKS	4.2	.78	12.3	2.23	11.2	1.28	14.5	.91		
TELEPHONE OPERATORS	1.1	.20	2.7	.48	3.4	.39	5.2	.33		
CLERICAL AND KINDRED,NEC	30.5	5.59	61.8	11.23	62.8	7.18	143.0	8.93		
SALES WORKERS	89.0	16.33	155.7	28.30	197.2	22.54	229.7	14.36		
CRAFTSMEN,FOREMEN AND KINDRED	19.1	3.50	27.8	5.05	163.7	18.71	111.0	6.94		
CONSTRUCTION CRAFTSMEN	.5	.09	3.1	.56	3.6	.41	8.6	.54		
CARPENTERS	.2	.04	.4	.08	.6	.06	5.3	.33		
BRICKMASONS AND TILE SETRS	.0	.00	.0	.00	.0	.00	.3	.02		
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTRICIANS	.0	.01	1.9	.34	.3	.04	.7	.04		
EXCAVATNG,GRADNG MACH OPER	.0	.01	.0	.00	.5	.06	.6	.04		
PAINTERS AND PAPERHANGERS	.1	.02	.0	.01	1.2	.14	1.0	.06		
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00		
PLUMBERS AND PIPEFITTERS	.1	.01	.6	.11	1.0	.12	.6	.04		
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
STRUCTURAL METALWORKERS	.0	.00	.2	.04	.0	.00	.2	.01		
FOREMEN NEC	14.0	2.56	9.1	1.66	14.3	1.63	45.2	2.82		
METALWKNG CRAFTS EXC MECH	.2	.04	.5	.10	.7	.07	1.6	.10		
MACHINISTS AND RELATED OCC	.2	.03	.1	.01	.2	.02	.2	.01		
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.0	.00	.0	.00	.2	.01		
BOILERMAKERS	.0	.00	.2	.03	.0	.00	.0	.00		
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00		
MILLWRIGHTS	.0	.00	.0	.00	.0	.00	.0	.00		
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.2	.01		
PATTERNMAKERS,METAL,WOOD	.0	.00	.3	.05	.0	.00	.0	.00		
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.2	.01		
SHEET METAL WORKERS	.1	.01	.0	.00	.5	.05	.9	.05		
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PRINTING TRADES CRAFTSMEN	.3	.05	.0	.00	.6	.07	.6	.04		
COMPOSITORS,TYPESETTERS	.1	.03	.0	.00	.6	.07	.3	.02		
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00		
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.2	.01		
PHOTOENGRVRS,LITHOGRAPHERS	.1	.01	.0	.00	.0	.00	.0	.00		
PRESSMEN,PLATE PRINTERS	.1	.01	.0	.00	.0	.00	.2	.01		
TRANSPORT AND PUB UTIL CRAFT	.0	.00	.1	.02	.0	.00	.0	.00		
LINEMEN AND SERVICEMEN	.0	.00	.1	.02	.0	.00	.0	.00		
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00		
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
MECHANICS AND REPAIRMEN	3.3	.60	13.1	2.39	133.5	15.26	30.5	1.91		
AIRPLANE MECH AND REPAIRMN	.0	.00	.4	.08	1.2	.14	.0	.00		
MOTOR VEHICLE MECHANICS	.6	.11	.1	.02	1.5	.17	7.2	.45		
OFFICE MACHINE MECHANICS	.0	.00	.5	.10	57.6	6.58	.6	.04		
RADIO AND TV MECHANICS	.1	.01	1.8	.32	.1	.01	.0	.00		
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER MECHANICS AND REPAIR	2.7	.49	10.3	1.87	73.2	8.36	22.8	1.43		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE			
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	.9	.16	1.7	.31	11.0	1.25	24.5	1.53		
BAKERS	.3	.05	.0	.00	.0	.00	.0	.00		
CABINETMAKERS	.0	.00	.0	.00	.1	.01	.1	.01		
CRANE,DERRICK,HOIST MEN	.0	.00	.2	.04	.6	.07	11.0	.69		
GLAZIERS	.0	.00	.0	.00	.0	.00	2.9	.18		
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.8	.05		
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00		
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.7	.08	.0	.00		
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.7	.04		
INSPECTORS,OTHER	.1	.02	.0	.00	1.2	.14	3.4	.21		
UPHOLSTERERS	.0	.00	.0	.00	.1	.01	.0	.00		
CRAFTSMEN AND KINDRED NEC	.5	.08	1.5	.27	8.2	.94	5.6	.35		
OPERATIVES AND KINDRED WORKERS	222.8	40.88	44.9	8.16	55.6	6.35	379.2	23.70		
DRIVERS,OTHER [illegible] AND PU OP	93.6	17.17	31.8	5.78	34.9	3.98	204.9	12.81		
DRIVERS,BUS,[illegible]K,TRACTOR	48.2	8.85	26.8	4.87	19.0	2.17	117.0	7.32		
DELIVERYMEN A[illegible] ROUTEMEN	45.3	8.31	5.0	.91	15.7	1.79	86.9	5.43		
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.2	.01		
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00		
SAILORS AND DECKHANDS	.1	.01	.0	.00	.2	.02	.8	.05		
SEMISKILLED METALWORKING OCC	.1	.01	.5	.09	6.5	.74	12.2	.76		
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00		
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00		
WELDERS AND FLAME-CUTTERS	.1	.01	.5	.09	6.5	.74	12.2	.76		
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00		
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00		
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00		
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00		
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00		
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00		
OTHER OPERATIVES AND KINDRED	129.2	23.70	12.6	2.28	14.3	1.63	162.1	10.13		
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.2	.02	.5	.03		
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.00	.0	.00	.0	.00		
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00		
LAUNDRY,DRY CLEANING OPER	.1	.01	.0	.00	.0	.00	.0	.00		
MEAT CUTTERS,EXC MEATPCKNG	19.7	3.61	.0	.00	.0	.00	.2	.01		
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00		
OPERATIVES AND KINDRED,NEC	109.4	20.08	12.6	2.28	14.1	1.61	161.5	10.09		
SERVICE WORKERS	4.3	.79	3.4	.61	6.0	.68	19.4	1.21		
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		
PROTECTIVE SERVICE WORKERS	.1	.03	.0	.01	1.1	.12	2.5	.16		
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00		
GUARDS,WATCHMEN,DOORKEEPRS	.1	.03	.0	.01	.7	.08	2.5	.16		
POLICE,OTH LAW ENFORCE OFF	.0	.00	.0	.00	.4	.04	.0	.00		
FOOD SERVICE WORKERS	.7	.13	.1	.03	.2	.02	.0	.00		
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00		
COOKS,EXC PRIV HOUSEHOLDS	.5	.09	.1	.03	.1	.01	.0	.00		
COUNTER AND FOUNTAIN WKRS	.1	.02	.0	.00	.0	.00	.0	.00		
WAITERS AND WAITRESSES	.2	.03	.0	.00	.1	.01	.0	.00		
OTHER SERVICE WORKERS	3.5	.64	3.2	.58	4.8	.54	16.9	1.05		
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00		
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00		
CHARWOMEN AND CLEANERS	.7	.13	1.0	.18	1.3	.15	3.8	.24		
JANITORS AND SEXTONS	1.5	.27	.9	.16	2.4	.28	3.9	.24		
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00		
SERVICE WORKERS,NEC	1.3	.24	1.3	.23	1.0	.12	9.2	.57		
LABORERS,EXCEPT FARM AND MINE	43.1	7.91	17.3	3.14	18.9	2.16	138.3	8.64		
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00		

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	14,050.0	100.00	700.0	100.00	2,735.0	100.00	345.0	100.00	2,390.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	246.3	1.75	4.9	.70	42.0	1.53	2.6	.74	39.4	1.65
ENGINEERS,TECHNICAL	3.2	.02	.8	.11	.8	.03	.0	.00	.8	.03
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	.1	.00	.1	.01	.0	.00	.0	.00	.0	.00
ENGINEERS,ELECTRICAL	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,INDUSTRIAL	.3	.00	.1	.01	.3	.01	.0	.00	.3	.01
ENGINEERS,MECHANICAL	1.0	.01	.1	.01	.2	.01	.0	.00	.2	.01
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	1.7	.01	.5	.08	.3	.01	.0	.00	.3	.01
NATURAL SCIENTISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHEMISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	7.0	.05	1.3	.18	.7	.02	.4	.11	.3	.01
DRAFTSMEN	2.5	.02	.9	.12	.3	.01	.0	.00	.3	.01
SURVEYORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	4.5	.03	.4	.06	.4	.01	.4	.11	.0	.00
MEDICAL,OTHER HEALTH WORKERS	114.3	.81	.0	.00	1.4	.05	.0	.00	1.4	.06
DENTISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	1.4	.01	.0	.00	.2	.01	.0	.00	.2	.01
NURSES,PROFESSIONAL	1.2	.01	.0	.00	.9	.03	.0	.00	.9	.04
OPTOMETRISTS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	110.3	.79	.0	.00	.2	.01	.0	.00	.2	.01
PHYSICIANS AND SURGEONS	.7	.00	.0	.00	.0	.00	.0	.00	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.3	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	10.7	.08	.0	.00	3.3	.12	.0	.01	3.3	.14
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	10.7	.08	.0	.00	3.3	.12	.0	.01	3.3	.14
SOCIAL SCIENTISTS	1.6	.01	.0	.00	1.1	.04	.0	.00	1.1	.05
ECONOMISTS	.3	.00	.0	.00	.2	.01	.0	.00	.2	.01
STATISTICIANS + ACTUARIES	1.3	.01	.0	.00	.9	.03	.0	.00	.9	.04
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	109.4	.78	2.8	.41	34.7	1.27	2.1	.62	32.6	1.36
ACCOUNTANTS AND AUDITORS	27.6	.20	2.1	.30	7.2	.26	.1	.03	7.1	.30
AIRPLANE PILOTS,NAVIGATORS	.3	.00	.0	.00	.0	.00	.0	.00	.0	.00
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	29.3	.21	.1	.01	3.8	.14	.1	.02	3.7	.16
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	8.5	.06	.1	.02	1.9	.07	.0	.00	1.9	.08
EDITORS AND REPORTERS	4.0	.03	.0	.00	3.8	.14	.0	.00	3.8	.16
LAWYERS AND JUDGES	.8	.01	.1	.01	.2	.01	.0	.00	.2	.01
LIBRARIANS	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00
PERSONNEL AND LAB REL WRKS	14.1	.10	.1	.01	9.2	.34	1.6	.46	7.6	.32
PHOTOGRAPHERS	1.9	.01	.0	.00	.6	.02	.0	.00	.6	.03
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	22.7	.16	.4	.06	7.9	.29	.3	.09	7.6	.32
MANAGERS,OFFICIALS,PROPRIETORS	2,693.4	19.17	161.0	22.99	412.0	15.06	60.4	17.52	351.6	14.71
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	33.0	.24	2.0	.29	13.3	.49	1.0	.28	12.3	.52
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	7.7	.05	1.4	.20	1.5	.06	.1	.04	1.4	.06
MANAGERS,OFFICE,PROP. NEC	2,652.7	18.88	157.5	22.50	397.2	14.52	59.3	17.20	337.9	14.14

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	2,184.3	15.55	110.4	15.77	598.1	21.87	59.2	17.15	538.9	22.55
STENOS,TYPISTS,SECRETARIES	196.2	1.40	20.7	2.96	50.6	1.85	4.6	1.33	46.0	1.92
OFFICE MACHINE OPERATORS	85.0	.60	3.8	.54	29.8	1.09	.9	.26	28.9	1.21
OTHER CLERICAL,KINDRED WRKRS	1,903.1	13.55	85.9	12.28	517.7	18.93	53.7	15.55	464.0	19.41
ACCOUNTING CLERKS	76.8	.55	4.7	.68	17.2	.63	2.9	.83	14.3	.60
BOOKKEEPERS,HAND	283.8	2.02	41.5	5.93	21.7	.79	.0	.00	21.7	.91
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	766.2	5.45	3.7	.53	118.2	4.32	23.1	6.70	95.1	3.98
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	50.2	.36	2.7	.38	26.2	.96	1.6	.46	24.6	1.03
TELEPHONE OPERATORS	27.0	.19	.7	.09	17.0	.62	.1	.02	16.9	.71
CLERICAL AND KINDRED,NEC	699.1	4.98	32.7	4.66	317.4	11.60	26.0	7.54	291.4	12.19
SALES WORKERS	3,244.8	23.09	124.6	17.80	1,239.3	45.31	166.2	48.17	1,073.1	44.90
CRAFTSMEN,FOREMEN AND KINDRED	1,155.6	8.23	138.0	19.72	128.3	4.69	7.9	2.29	120.3	5.04
CONSTRUCTION CRAFTSMEN	79.1	.56	42.9	6.13	11.0	.40	.8	.23	10.2	.43
CARPENTERS	35.7	.25	18.5	2.65	5.9	.22	.5	.14	5.4	.23
BRICKMASONS AND TILE SETRS	9.0	.06	5.5	.79	.0	.00	.0	.00	.0	.00
CEMENT,CONCRETE FINISHERS	.2	.00	.2	.03	.0	.00	.0	.00	.0	.00
ELECTRICIANS	6.2	.04	1.0	.14	1.8	.07	.0	.00	1.8	.08
EXCAVATNG,GRADNG MACH OPER	1.7	.01	1.4	.20	.0	.00	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	11.8	.08	2.6	.38	3.3	.12	.3	.09	2.9	.12
PLASTERERS	.1	.00	.1	.01	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	11.6	.08	10.8	1.54	.0	.00	.0	.00	.0	.00
ROOFERS AND SLATERS	2.8	.02	2.8	.40	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FOREMEN NEC	85.0	.60	14.4	2.06	26.4	.96	2.6	.75	23.8	.99
METALWKNG CRAFTS EXC MECH	3.9	.03	3.1	.44	.0	.00	.0	.00	.0	.00
MACHINISTS AND RELATED OCC	.1	.00	.1	.02	.0	.00	.0	.00	.0	.00
BLKSMITHS,FORGMN,HAMMERMEN	.1	.00	.1	.01	.0	.00	.0	.00	.0	.00
BOILERMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.3	.00	.2	.03	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	3.3	.02	2.7	.38	.0	.00	.0	.00	.0	.00
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	5.4	.04	.0	.00	1.9	.07	.1	.02	1.9	.08
COMPOSITORS,TYPESETTERS	3.2	.02	.0	.00	1.7	.06	.1	.02	1.7	.07
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.5	.00	.0	.00	.2	.01	.0	.00	.2	.01
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	1.7	.01	.0	.00	.0	.00	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00
LINEMEN AND SERVICEMEN	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	736.0	5.24	53.4	7.62	61.3	2.24	.6	.18	60.7	2.54
AIRPLANE MECH AND REPAIRMN	1.5	.01	.1	.01	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	480.1	3.42	4.9	.70	4.9	.18	.0	.00	4.9	.21
OFFICE MACHINE MECHANICS	16.3	.12	.1	.01	.2	.01	.0	.00	.2	.01
RADIO AND TV MECHANICS	37.6	.27	.6	.09	9.8	.36	.1	.04	9.7	.41
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	200.6	1.43	47.7	6.82	46.4	1.69	.5	.15	45.9	1.92

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	246.1	1.75	24.2	3.46	27.7	1.01	3.8	1.11	23.8	1.00
BAKERS	29.7	.21	.0	.00	3.5	.13	.9	.26	2.6	.11
CABINETMAKERS	25.5	.18	8.5	1.21	.4	.02	.0	.00	.4	.02
CRANE,DERRICK,HOIST MEN	1.1	.01	.9	.13	.0	.00	.0	.00	.0	.00
GLAZIERS	9.3	.07	9.3	1.33	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	18.1	.13	.1	.01	.7	.03	.0	.00	.7	.03
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	12.0	.09	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	2.0	.01	2.0	.29	.0	.00	.0	.00	.0	.00
INSPECTORS.OTHER	3.9	.03	.1	.02	1.2	.04	.0	.00	1.2	.05
UPHOLSTERERS	17.2	.12	.0	.00	1.2	.04	.0	.00	1.2	.05
CRAFTSMEN AND KINDRED NEC	127.3	.91	3.2	.46	20.7	.76	2.9	.85	17.7	.74
OPERATIVES AND KINDRED WORKERS	1,515.4	10.79	109.9	15.70	103.6	3.79	4.0	1.15	99.6	4.17
DRIVERS,OTHER TRAN AND PU OP	395.3	2.81	71.3	10.19	33.8	1.24	.5	.15	33.3	1.39
DRIVERS,BUS.TRUCK,TRACTOR	208.4	1.48	61.2	8.74	14.3	.52	.2	.07	14.1	.59
DELIVERYMEN AND ROUTEMEN	186.5	1.33	10.1	1.44	19.5	.71	.3	.08	19.2	.80
BRAKEMEN AND SWITCHMEN RR	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.1	.00	.1	.01	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	5.2	.04	3.0	.43	.0	.00	.0	.00	.0	.00
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	5.2	.04	3.0	.43	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.7	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS.TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.7	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	1,114.3	7.93	35.6	5.08	69.8	2.55	3.5	1.00	66.3	2.77
ASBESTOS,INSULATION WKRS	.7	.00	.5	.07	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	475.6	3.38	.5	.06	4.3	.16	.0	.00	4.3	.18
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	1.9	.01	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	192.2	1.37	.0	.00	2.8	.10	.1	.02	2.7	.11
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	443.9	3.16	34.6	4.95	62.8	2.29	3.4	.98	59.4	2.48
SERVICE WORKERS	2,508.4	17.85	6.7	.96	138.4	5.06	32.4	9.38	106.0	4.44
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	13.6	.10	1.4	.19	6.2	.23	.2	.06	6.0	.25
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	12.0	.09	1.4	.19	5.0	.18	.2	.05	4.8	.20
POLICE,OTH LAW ENFORCE OFF	1.6	.01	.0	.00	1.2	.05	.0	.01	1.2	.05
FOOD SERVICE WORKERS	1,824.1	12.98	.1	.02	54.4	1.99	21.8	6.33	32.5	1.36
BARTENDERS	205.0	1.46	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	479.7	3.41	.1	.01	6.3	.23	2.3	.66	4.0	.17
COUNTER AND FOUNTAIN WKRS	179.6	1.28	.0	.00	15.1	.55	5.6	1.64	9.5	.40
WAITERS AND WAITRESSES	959.8	6.83	.1	.01	33.0	1.21	13.9	4.03	19.1	.80
OTHER SERVICE WORKERS	670.7	4.77	5.3	.75	77.7	2.84	10.3	2.99	67.4	2.82
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	48.4	.34	1.2	.17	4.0	.15	.6	.18	3.4	.14
JANITORS AND SEXTONS	58.0	.41	2.4	.34	8.5	.31	1.4	.41	7.0	.29
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	564.3	4.02	1.7	.24	65.3	2.39	8.3	2.40	57.0	2.38
LABORERS,EXCEPT FARM AND MINE	501.7	3.57	44.5	6.36	73.5	2.69	12.4	3.59	61.1	2.56
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	2,255.0	100.00	2,075.0	100.00	1,210.0	100.00	865.0	100.00	795.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	10.4	.46	9.5	.46	8.4	.69	1.2	.13	4.2	.53
ENGINEERS,TECHNICAL	.7	.03	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,ELECTRICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,INDUSTRIAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MECHANICAL	.7	.03	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHEMISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	.2	.01	1.8	.09	1.7	.14	.1	.01	.0	.00
DRAFTSMEN	.2	.01	.7	.03	.6	.05	.1	.01	.0	.00
SURVEYORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	.0	.00	1.1	.05	1.1	.09	.0	.00	.0	.00
MEDICAL,OTHER HEALTH WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.2	.03
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
NURSES,PROFESSIONAL	.0	.00	.0	.00	.0	.00	.0	.00	.2	.03
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.3	.01	.3	.02	.2	.02	.1	.02	.1	.01
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.3	.01	.3	.02	.2	.02	.1	.02	.1	.01
SOCIAL SCIENTISTS	.2	.01	.0	.00	.0	.00	.0	.00	.1	.01
ECONOMISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
STATISTICIANS + ACTUARIES	.2	.01	.0	.00	.0	.00	.0	.00	.1	.01
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	9.0	.40	7.4	.36	6.5	.54	.9	.11	3.8	.48
ACCOUNTANTS AND AUDITORS	5.1	.22	5.4	.26	5.0	.41	.4	.05	.9	.11
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.3	.01	.3	.02	.0	.00	.0	.00
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	.2	.01	.3	.01	.3	.02	.0	.00	.9	.11
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.0	.00	.0	.00	.0	.00	.0	.00	.6	.08
EDITORS AND REPORTERS	.0	.00	.1	.01	.1	.01	.0	.00	.0	.00
LAWYERS AND JUDGES	.4	.02	.0	.00	.0	.00	.0	.00	.1	.01
LIBRARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PERSONNEL AND LAB REL WRKS	1.3	.06	.6	.03	.3	.02	.3	.03	.6	.08
PHOTOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	2.0	.09	.8	.04	.5	.04	.2	.02	.7	.09
MANAGERS,OFFICIALS,PROPRIETORS	465.5	20.64	485.7	23.41	269.1	22.24	216.6	25.04	171.2	21.54
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.2	.01	6.4	.31	5.6	.46	.8	.09	4.6	.57
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	[illegible]	.03	.9	.04	.8	.06	.1	.01	.1	.01
MANAGERS,OFFICE,PROP. NEC	464.6	20.60	478.5	23.06	262.8	21.72	215.7	24.94	166.6	20.96

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	648.7	28.77	161.4	7.78	131.6	10.88	29.8	3.45	132.6	16.67
STENOS,TYPISTS,SECRETARIES	16.8	.74	23.1	1.11	19.7	1.63	3.4	.39	9.6	1.21
OFFICE MACHINE OPERATORS	17.0	.75	9.1	.44	7.7	.64	1.4	.16	8.4	1.05
OTHER CLERICAL,KINDRED WRKRS	614.9	27.27	129.2	6.23	104.2	8.61	25.1	2.90	114.6	14.42
ACCOUNTING CLERKS	10.9	.48	11.3	.55	9.9	.82	1.4	.16	6.9	.87
BOOKKEEPERS,HAND	15.2	.67	69.6	3.35	51.7	4.27	17.9	2.07	19.1	2.40
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	462.8	20.52	5.1	.24	3.8	.31	1.3	.15	36.1	4.54
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	5.4	.24	1.3	.06	1.3	.11	.0	.00	4.2	.52
TELEPHONE OPERATORS	.6	.03	2.8	.14	2.7	.23	.1	.01	2.4	.31
CLERICAL AND KINDRED,NEC	120.0	5.32	39.1	1.88	34.7	2.87	4.4	.51	45.9	5.77
SALES WORKERS	421.1	18.68	237.0	11.42	232.8	19.24	4.2	.49	361.4	45.46
CRAFTSMEN,FOREMEN AND KINDRED	43.7	1.94	514.7	24.81	400.8	33.13	113.9	13.17	30.7	3.86
CONSTRUCTION CRAFTSMEN	3.1	.14	3.1	.15	2.4	.20	.7	.08	.6	.08
CARPENTERS	1.6	.07	1.8	.09	1.4	.11	.4	.05	.2	.02
BRICKMASONS AND TILE SETRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	.4	.02	.2	.01	.2	.02	.0	.00	.0	.00
EXCAVATNG,GRADNG MACH OPER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	1.1	.05	.9	.04	.8	.06	.2	.02	.0	.00
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.5	.06
PLUMBERS AND PIPEFITTERS	.0	.00	.1	.01	.0	.00	.1	.01	.0	.00
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FOREMEN NEC	12.8	.57	16.4	.79	14.9	1.24	1.4	.16	2.8	.35
METALWKNG CRAFTS EXC MECH	.0	.00	.3	.01	.3	.02	.0	.00	.0	.00
MACHINISTS AND RELATED OCC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BOILERMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.0	.00	.3	.01	.3	.02	.0	.00	.0	.00
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	.4	.02	1.7	.08	.0	.00	1.7	.20	.1	.01
COMPOSITORS,TYPESETTERS	.4	.02	.0	.00	.0	.00	.0	.00	.1	.01
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	1.7	.08	.0	.00	1.7	.20	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.0	.00	.1	.01	.0	.00	.1	.01	.0	.00
LINEMEN AND SERVICEMEN	.0	.00	.1	.01	.0	.00	.1	.01	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	11.4	.50	484.5	23.35	376.1	31.09	108.4	12.53	1.6	.20
AIRPLANE MECH AND REPAIRMN	.0	.00	1.4	.07	1.2	.10	.2	.02	.0	.00
MOTOR VEHICLE MECHANICS	1.1	.05	466.7	22.49	358.7	29.64	108.1	12.49	.1	.01
OFFICE MACHINE MECHANICS	.0	.00	.2	.01	.1	.01	.1	.01	.0	.00
RADIO AND TV MECHANICS	.0	.00	.6	.03	.6	.05	.0	.00	.0	.00
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	10.3	.46	15.5	.75	15.5	1.28	.0	.00	1.6	.20

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	16.1	.71	8.7	.42	7.1	.59	1.6	.18	25.6	3.22
BAKERS	11.1	.49	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.1	.01
CRANE,DERRICK,HOIST MEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	1.0	.05	.0	.00	1.0	.11	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	1.3	.06	.4	.02	.3	.02	.1	.01	.5	.07
UPHOLSTERERS	.0	.00	2.3	.11	2.3	.19	.0	.00	.0	.00
CRAFTSMEN AND KINDRED NEC	3.7	.16	5.1	.24	4.5	.38	.5	.06	25.0	3.14
OPERATIVES AND KINDRED WORKERS	405.5	17.98	559.0	26.94	80.0	6.61	479.0	55.37	55.7	7.01
DRIVERS,OTHER TRAN AND PU OP	61.0	2.70	35.1	1.69	22.3	1.84	12.7	1.47	2.4	.30
DRIVERS,BUS,TRUCK,TRACTOR	23.5	1.04	21.7	1.05	12.5	1.03	9.3	1.07	.9	.12
DELIVERYMEN AND ROUTEMEN	37.5	1.66	13.1	.63	9.9	.82	3.3	.38	1.5	.18
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	.2	.01	.0	.00	.2	.02	.0	.00
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	.0	.00	1.6	.08	1.5	.12	.1	.01	.0	.00
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.0	.00	1.6	.08	1.5	.12	.1	.01	.0	.00
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	344.6	15.28	522.4	25.17	56.2	4.65	466.1	53.89	53.4	6.71
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	1.3	.06	463.8	22.35	12.2	1.01	451.7	52.22	.2	.02
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.7	.03	.0	.00	.0	.00	.0	.00	.2	.02
MEAT CUTTERS,EXC MEATPCKNG	184.8	8.20	.1	.00	.0	.00	.1	.01	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	157.9	7.00	58.4	2.82	44.1	3.64	14.4	1.66	53.0	6.67
SERVICE WORKERS	47.9	2.12	22.4	1.08	18.3	1.51	4.0	.47	25.2	3.17
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	1.5	.07	.6	.03	.6	.05	.1	.01	.5	.07
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	1.3	.06	.6	.03	.6	.05	.1	.01	.3	.04
POLICE,OTH LAW ENFORCE OFF	.2	.01	.0	.00	.0	.00	.0	.00	.2	.03
FOOD SERVICE WORKERS	21.4	.95	.5	.03	.1	.01	.4	.05	.3	.03
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	5.7	.25	.1	.00	.0	.00	.1	.01	.1	.01
COUNTER AND FOUNTAIN WKRS	6.6	.29	.1	.01	.0	.00	.1	.01	.0	.00
WAITERS AND WAITRESSES	9.1	.40	.3	.02	.1	.01	.2	.03	.2	.02
OTHER SERVICE WORKERS	25.0	1.11	21.2	1.02	17.7	1.46	3.5	.41	24.4	3.07
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	5.1	.23	2.5	.12	1.7	.14	.9	.10	3.0	.37
JANITORS AND SEXTONS	6.5	.29	5.0	.24	4.7	.39	.3	.04	5.3	.66
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	13.4	.59	13.6	.65	11.3	.93	2.3	.27	16.2	2.03
LABORERS,EXCEPT FARM AND MINE	212.1	9.41	85.2	4.11	69.0	5.70	16.2	1.88	14.0	1.76
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	605.0	100.00	2,960.0	100.00	1,925.0	100.00	585.0	100.00	1,340.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	11.3	1.87	30.9	1.04	133.1	6.91	119.6	20.44	13.5	1.01
ENGINEERS,TECHNICAL	.4	.06	.0	.00	.6	.03	.0	.00	.6	.05
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,ELECTRICAL	.1	.01	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,INDUSTRIAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MECHANICAL	.1	.01	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	.3	.04	.0	.00	.6	.03	.0	.00	.6	.05
NATURAL SCIENTISTS	.0	.00	.0	.00	.1	.01	.1	.02	.0	.00
CHEMISTS	.0	.00	.0	.00	.1	.01	.1	.02	.0	.00
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	1.6	.26	.0	.00	1.5	.08	.6	.11	.9	.06
DRAFTSMEN	.1	.01	.0	.00	.4	.02	.1	.01	.3	.02
SURVEYORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	1.5	.25	.0	.00	1.1	.06	.6	.09	.6	.04
MEDICAL,OTHER HEALTH WORKERS	.1	.01	1.0	.04	111.6	5.80	110.8	18.94	.8	.06
DENTISTS	.0	.00	.0	.00	.1	.01	.0	.00	.1	.01
DIETICIANS,NUTRITIONISTS	.0	.00	1.0	.04	.1	.00	.1	.01	.0	.00
NURSES,PROFESSIONAL	.0	.00	.0	.00	.1	.00	.1	.01	.0	.00
OPTOMETRISTS	.0	.00	.0	.00	.1	.00	.0	.00	.1	.01
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.1	.01	.0	.00	110.1	5.72	109.9	18.79	.1	.01
PHYSICIANS AND SURGEONS	.0	.00	.0	.00	.7	.04	.7	.12	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.0	.00	.1	.01	.0	.00	.1	.01
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.3	.02	.1	.01	.3	.02
TEACHERS	1.3	.22	4.6	.16	.7	.04	.0	.00	.7	.06
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	1.3	.22	4.6	.16	.7	.04	.0	.00	.7	.06
SOCIAL SCIENTISTS	.2	.03	.0	.00	.0	.00	.0	.00	.0	.00
ECONOMISTS	.1	.02	.0	.00	.0	.00	.0	.00	.0	.00
STATISTICIANS + ACTUARIES	.1	.01	.0	.00	.0	.00	.0	.00	.0	.00
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	7.9	1.30	25.2	.85	18.5	.96	8.0	1.37	10.5	.78
ACCOUNTANTS AND AUDITORS	1.8	.31	2.0	.07	3.1	.16	.7	.11	2.4	.18
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ARCHITECTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	2.4	.39	20.2	.68	1.5	.08	.5	.08	1.0	.07
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	3.0	.49	.0	.00	2.8	.14	.0	.00	2.8	.21
EDITORS AND REPORTERS	.0	.00	.0	.00	.1	.00	.1	.01	.0	.00
LAWYERS AND JUDGES	.0	.01	.0	.00	.1	.01	.0	.00	.1	.01
LIBRARIANS	.0	.00	.0	.00	.2	.01	.0	.00	.2	.01
PERSONNEL AND LAB REL WRKS	.0	.00	1.6	.06	.8	.04	.2	.04	.5	.04
PHOTOGRAPHERS	.0	.00	.0	.00	1.2	.06	.8	.13	.5	.03
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROF,TECH,KINDRED,NEC	.6	.10	1.4	.05	8.9	.46	5.8	.99	3.1	.23
MANAGERS,OFFICIALS,PROPRIETORS	118.9	19.66	506.7	17.12	372.4	19.34	51.0	8.72	321.3	23.98
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	2.5	.41	.0	.00	4.1	.21	.1	.02	4.0	.30
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	.1	.01	.8	.03	2.2	.11	.1	.01	2.2	.16
MANAGERS,OFFICE,PROP. NEC	116.4	19.23	505.9	17.09	366.1	19.02	50.9	8.69	315.2	23.52

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	104.8	17.32	137.5	4.64	291.0	15.11	88.8	15.18	202.1	15.08
STENOS,TYPISTS,SECRETARIES	19.9	3.28	9.7	.33	45.9	2.38	4.9	.84	41.0	3.06
OFFICE MACHINE OPERATORS	3.1	.51	3.5	.12	10.4	.54	1.9	.33	8.4	.63
OTHER CLERICAL,KINDRED WRKRS	81.8	13.52	124.3	4.20	234.7	12.19	82.0	14.01	152.7	11.40
ACCOUNTING CLERKS	5.4	.89	7.9	.27	12.5	.65	1.9	.33	10.5	.79
BOOKKEEPERS,HAND	34.3	5.68	11.2	.38	71.3	3.70	16.1	2.75	55.2	4.12
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	2.5	.42	92.2	3.12	45.5	2.36	35.5	6.07	10.0	.74
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	2.9	.48	.7	.02	6.8	.35	.8	.13	6.0	.45
TELEPHONE OPERATORS	1.7	.28	.9	.03	.9	.04	.2	.04	.6	.05
CLERICAL AND KINDRED,NEC	34.9	5.77	11.4	.38	97.7	5.08	27.5	4.70	70.3	5.24
SALES WORKERS	153.4	25.36	38.9	1.31	669.0	34.76	203.9	34.85	465.2	34.71
CRAFTSMEN,FOREMEN AND KINDRED	123.7	20.45	32.9	1.11	143.6	7.46	4.1	.69	139.6	10.41
CONSTRUCTION CRAFTSMEN	11.6	1.92	3.5	.12	3.3	.17	.5	.08	2.8	.21
CARPENTERS	4.8	.79	1.7	.06	1.2	.06	.4	.06	.8	.06
BRICKMASONS AND TILE SETRS	2.7	.44	.3	.01	.4	.02	.0	.00	.4	.03
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	2.6	.43	.0	.00	.1	.01	.0	.00	.1	.01
EXCAVATNG,GRADNG MACH OPER	.0	.00	.0	.00	.3	.02	.0	.00	.3	.02
PAINTERS AND PAPERHANGERS	1.3	.22	1.4	.05	.7	.04	.1	.01	.7	.05
PLASTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	.2	.03	.0	.00	.5	.03	.1	.01	.5	.04
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FOREMEN NEC	3.0	.49	2.3	.08	6.9	.36	1.2	.20	5.7	.42
METALWKNG CRAFTS EXC MECH	.1	.02	.0	.00	.4	.02	.0	.00	.4	.03
MACHINISTS AND RELATED OCC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BOILERMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.0	.00	.0	.00	.1	.01	.0	.00	.1	.01
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.1	.02	.0	.00	.3	.01	.0	.00	.3	.02
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	.0	.00	.0	.00	1.3	.07	.1	.02	1.2	.09
COMPOSITORS,TYPESETTERS	.0	.00	.0	.00	1.0	.05	.1	.02	.9	.07
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.3	.01	.0	.00	.3	.02
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.1	.01	.0	.00	.0	.00	.0	.00	.0	.00
LINEMEN AND SERVICEMEN	.1	.01	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	53.6	8.86	11.4	.38	58.9	3.06	1.[illegible]	.21	57.7	4.31
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.1	.02	.3	.01	2.1	.11	.2	.04	1.8	.14
OFFICE MACHINE MECHANICS	.1	.01	.0	.00	15.8	.82	.0	.00	15.8	1.18
RADIO AND TV MECHANICS	26.3	4.35	.0	.00	.3	.01	.0	.00	.3	.02
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	27.2	4.49	11.1	.38	40.8	2.12	1.0	.17	39.9	2.97

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	55.3	9.15	15.7	.53	72.8	3.78	1.1	.18	71.7	5.35
BAKERS	.0	.00	14.9	.50	.2	.01	.2	.03	.0	.00
CABINETMAKERS	15.2	2.51	.0	.00	1.4	.07	.0	.00	1.4	.10
CRANE,DERRICK,HOIST MEN	.0	.00	.0	.00	.1	.01	.0	.00	.1	.01
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	17.4	.90	.0	.00	17.4	1.30
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	11.0	.57	.0	.00	11.0	.82
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.0	.00	.0	.00	.4	.02	.0	.00	.4	.03
UPHOLSTERERS	13.3	2.19	.0	.00	.4	.02	.0	.00	.4	.03
CRAFTSMEN AND KINDRED NEC	26.9	4.45	.8	.03	42.0	2.18	.9	.15	41.1	3.07
OPERATIVES AND KINDRED WORKERS	68.5	11.31	38.9	1.31	174.3	9.06	31.6	5.41	142.7	10.65
DRIVERS,OTHER TRAN AND PU OP	37.9	6.26	19.1	.65	134.7	7.00	27.2	4.64	107.5	8.02
DRIVERS,BUS,TRUCK,TRACTOR	18.3	3.03	6.5	.22	61.9	3.21	1.3	.22	60.6	4.52
DELIVERYMEN AND ROUTEMEN	19.6	3.23	12.6	.43	72.7	3.78	25.9	4.43	46.8	3.49
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.1	.01	.0	.00	.1	.01
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	.0	.00	.0	.00	.6	.03	.0	.00	.6	.04
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.0	.00	.0	.00	.6	.03	.0	.00	.6	.04
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.7	.11	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.7	.11	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	29.9	4.94	19.7	.67	39.0	2.03	4.5	.77	34.6	2.58
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.2	.01	.1	.01	.1	.01
ATTEND,AUTO SERVICE,PARKNG	.2	.04	3.5	.12	1.8	.09	1.0	.17	.8	.06
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.1	.02	1.0	.03	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	3.8	.13	.7	.04	.1	.02	.6	.05
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	29.5	4.88	11.4	.39	36.3	1.89	3.3	.56	33.0	2.46
SERVICE WORKERS	11.4	1.89	2,166.7	73.20	89.9	4.67	71.9	12.30	17.9	1.34
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	.2	.03	2.0	.07	1.1	.06	.1	.02	1.0	.08
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	.2	.03	2.0	.07	1.1	.06	.1	.02	1.0	.08
POLICE,OTH LAW ENFORCE OFF	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FOOD SERVICE WORKERS	.0	.00	1,687.0	56.99	60.5	3.14	53.4	9.13	7.1	.53
BARTENDERS	.0	.00	200.7	6.78	4.3	.23	.0	.00	4.3	.32
COOKS,EXC PRIV HOUSEHOLDS	.0	.00	460.8	15.57	6.7	.35	6.5	1.11	.2	.02
COUNTER AND FOUNTAIN WKRS	.0	.00	131.8	4.45	25.9	1.35	24.8	4.23	1.1	.09
WAITERS AND WAITRESSES	.0	.00	893.7	30.19	23.5	1.22	22.2	3.79	1.3	.10
OTHER SERVICE WORKERS	11.2	1.85	477.7	16.14	28.3	1.47	18.4	3.15	9.8	.73
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	3.1	.51	23.9	.81	5.6	.29	1.5	.26	4.1	.30
JANITORS AND SEXTONS	1.9	.32	20.9	.71	7.6	.39	4.8	.81	2.8	.21
NURSES,PRACTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SERVICE WORKERS,NEC	6.2	1.03	432.9	14.63	15.1	.78	12.2	2.08	2.9	.22
LABORERS,EXCEPT FARM AND MINE	13.0	2.14	7.6	.26	51.8	2.69	14.0	2.40	37.7	2.82
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	3,980.0	100.00	1,815.0	100.00	1,595.0	100.00	220.0	100.00	1,320.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	133.9	3.36	71.5	3.94	47.9	3.00	23.6	10.73	52.9	4.01
ENGINEERS,TECHNICAL	3.5	.09	.0	.00	.0	.00	.0	.02	2.9	.22
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	.8	.02	.0	.00	.0	.00	.0	.02	.5	.04
ENGINEERS,ELECTRICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,INDUSTRIAL	2.6	.07	.0	.00	.0	.00	.0	.00	2.4	.18
ENGINEERS,MECHANICAL	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
NATURAL SCIENTISTS	1.0	.03	.4	.02	.4	.03	.0	.00	.6	.05
CHEMISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	1.0	.03	.4	.02	.4	.03	.0	.00	.6	.05
PHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	3.3	.08	.4	.02	.3	.02	.1	.03	2.2	.16
DRAFTSMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SURVEYORS	.8	.02	.0	.00	.0	.00	.0	.01	.2	.01
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
TECHNICIANS,OTHER	2.5	.06	.4	.02	.3	.02	.0	.01	2.0	.15
MEDICAL,OTHER HEALTH WORKERS	1.8	.05	.5	.03	.5	.03	.0	.01	1.2	.09
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.2	.00	.2	.01	.2	.01	.0	.00	.0	.00
NURSES,PROFESSIONAL	.9	.02	.4	.02	.3	.02	.0	.01	.4	.03
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.7	.02	.0	.00	.0	.00	.0	.00	.7	.05
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.1	.00	.0	.00	.0	.00	.0	.00	.1	.01
VETERINARIANS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	1.3	.03	.8	.04	.7	.04	.1	.04	.4	.03
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	1.3	.03	.8	.04	.7	.04	.1	.04	.4	.03
SOCIAL SCIENTISTS	10.2	.26	4.5	.25	3.6	.22	1.0	.43	5.6	.43
ECONOMISTS	3.9	.10	3.1	.17	2.5	.15	.6	.27	.8	.06
STATISTICIANS + ACTUARIES	6.4	.16	1.5	.08	1.1	.07	.4	.16	4.9	.37
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	112.7	2.83	64.8	3.57	42.4	2.66	22.4	10.19	40.0	3.03
ACCOUNTANTS AND AUDITORS	57.2	1.44	28.3	1.56	23.9	1.50	4.4	2.00	26.2	1.99
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
ARCHITECTS	.4	.01	.0	.00	.0	.00	.0	.00	.3	.02
WRKRS IN ARTS,ENTERTAINMNT	.8	.02	.3	.01	.2	.01	.1	.04	.4	.03
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.3	.01	.2	.01	.2	.01	.0	.00	.0	.00
EDITORS AND REPORTERS	1.1	.03	.6	.03	.2	.01	.4	.17	.4	.03
LAWYERS AND JUDGES	8.7	.22	2.4	.13	2.1	.13	.2	.10	5.4	.41
LIBRARIANS	.5	.01	.3	.02	.2	.01	.2	.07	.2	.01
PERSONNEL AND LAB REL WRKS	8.4	.21	4.0	.22	3.7	.23	.3	.14	4.2	.32
PHOTOGRAPHERS	.1	.00	.0	.00	.0	.00	.0	.00	.1	.01
SOCIAL AND WELFARE WORKERS	.3	.01	.0	.00	.0	.00	.0	.00	.1	.01
PROF,TECH,KINDRED,NEC	34.9	.88	28.7	1.58	11.9	.75	16.8	7.66	2.6	.19
MANAGERS,OFFICIALS,PROPRIETORS	1,005.5	25.26	589.9	32.50	529.4	33.19	60.5	27.50	191.4	14.50
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	20.3	.51	19.4	1.07	19.1	1.20	.3	.13	.8	.06
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	4.7	.12	2.0	.11	1.5	.10	.5	.21	1.4	.11
MANAGERS,OFFICE,PROP. NEC	980.5	24.64	568.5	31.32	508.7	31.90	59.7	27.16	189.2	14.33

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	1,750.9	43.99	986.6	54.36	905.8	56.79	80.7	36.69	603.4	45.71
STENOS,TYPISTS,SECRETARIES	521.9	13.11	203.3	11.20	178.0	11.16	25.3	11.48	244.6	18.53
OFFICE MACHINE OPERATORS	154.2	3.87	98.6	5.43	89.3	5.60	9.3	4.22	53.5	4.06
OTHER CLERICAL,KINDRED WRKRS	1,074.8	27.01	684.7	37.72	638.5	40.03	46.2	20.99	305.3	23.13
ACCOUNTING CLERKS	40.5	1.02	15.8	.87	13.7	.86	2.1	.96	21.9	1.66
BOOKKEEPERS,HAND	174.4	4.38	150.1	8.27	145.0	9.09	5.1	2.31	5.9	.44
BANK TELLERS	263.0	6.61	263.0	14.49	263.0	16.49	.0	.00	.0	.00
CASHIERS	52.0	1.31	45.5	2.51	42.0	2.63	3.5	1.61	5.2	.39
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	2.0	.05	1.1	.06	.7	.04	.4	.18	1.0	.07
TELEPHONE OPERATORS	19.6	.49	14.2	.78	11.3	.71	2.8	1.29	4.0	.31
CLERICAL AND KINDRED,NEC	523.2	13.15	195.1	10.75	162.8	10.21	32.2	14.64	267.3	20.25
SALES WORKERS	769.7	19.34	60.2	3.32	11.4	.71	48.9	22.21	438.7	33.23
CRAFTSMEN,FOREMEN AND KINDRED	65.7	1.65	16.8	.93	14.9	.94	1.9	.87	10.4	.79
CONSTRUCTION CRAFTSMEN	24.8	.62	1.0	.06	.9	.06	.1	.04	1.1	.09
CARPENTERS	9.3	.23	.5	.03	.5	.03	.0	.01	.4	.03
BRICKMASONS AND TILE SETRS	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	.9	.02	.2	.01	.1	.01	.0	.01	.2	.02
EXCAVATNG,GRADNG MACH OPER	.5	.01	.0	.00	.0	.00	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	12.6	.32	.3	.02	.3	.02	.0	.02	.5	.03
PLASTERERS	.8	.02	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	.5	.01	.0	.00	.0	.00	.0	.00	.0	.00
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FOREMEN NEC	6.4	.16	2.2	.12	2.0	.12	.2	.09	.8	.06
METALWKNG CRAFTS EXC MECH	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINISTS AND RELATED OCC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BOILERMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	2.9	.07	1.9	.11	1.8	.11	.2	.09	.9	.06
COMPOSITORS,TYPESETTERS	2.4	.06	1.6	.09	1.4	.09	.2	.09	.7	.05
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.5	.01	.3	.02	.3	.02	.0	.00	.1	.01
TRANSPORT AND PUB UTIL CRAFT	.1	.00	.1	.01	.0	.00	.1	.06	.0	.00
LINEMEN AND SERVICEMEN	.1	.00	.1	.01	.0	.00	.1	.06	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	21.5	.54	9.6	.53	8.9	.56	.7	.32	3.1	.24
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.4	.01	.0	.00	.0	.00	.0	.00	.1	.01
OFFICE MACHINE MECHANICS	.5	.01	.3	.02	.3	.02	.1	.03	.1	.01
RADIO AND TV MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	20.6	.52	9.2	.51	8.6	.54	.7	.30	2.9	.22

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	9.9	.25	2.0	.11	1.4	.09	.6	.27	4.5	.34
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00
GLAZIERS	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	4.0	.10	.3	.02	.2	.01	.2	.07	3.7	.28
UPHOLSTERERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CRAFTSMEN AND KINDRED NEC	5.5	.14	1.7	.09	1.2	.08	.4	.20	.8	.06
OPERATIVES AND KINDRED WORKERS	14.8	.37	6.8	.37	5.9	.37	.9	.40	1.7	.13
DRIVERS,OTHER TRAN AND PU OP	4.0	.10	1.8	.10	1.5	.09	.3	.13	.4	.03
DRIVERS,BUS,TRUCK,TRACTOR	2.1	.05	.6	.03	.3	.02	.2	.11	.1	.01
DELIVERYMEN AND ROUTEMEN	1.9	.05	1.2	.07	1.2	.07	.0	.02	.3	.02
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER.CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	10.9	.27	5.0	.28	4.4	.28	.6	.27	1.3	.10
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	2.0	.05	1.6	.09	1.6	.10	.0	.00	.0	.00
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	00	.0	.00	.0	.00	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	8.9	.22	3.4	.18	2.8	.17	.6	.27	1.3	.10
SERVICE WORKERS	186.1	4.68	81.2	4.47	78.0	4.89	3.2	1.45	20.2	1.53
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	20.7	.52	16.3	.90	15.7	.98	.6	.29	.4	.03
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	19.4	.49	16.0	.88	15.4	.96	.6	.29	.2	.02
POLICE,OTH LAW ENFORCE OFF	1.3	.03	.3	.02	.3	.02	.0	.01	.1	.01
FOOD SERVICE WORKERS	4.1	.10	2.1	.12	2.0	.13	.1	.05	1.8	.14
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	1.5	.04	.9	.05	.9	.05	.0	.02	.5	.04
COUNTER AND FOUNTAIN WKRS	1.1	.03	.4	.02	.4	.03	.0	.01	.7	.05
WAITERS AND WAITRESSES	1.5	.04	.8	.04	.8	.05	.0	.02	.6	.05
OTHER SERVICE WORKERS	161.3	4.05	62.7	3.45	60.2	3.78	2.5	1.12	18.1	1.37
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	25.6	.64	15.0	.83	14.6	.92	.4	.17	4.3	.32
JANITORS AND SEXTONS	65.5	1.65	30.4	1.68	29.0	1.82	1.4	.63	5.2	.40
NURSES,PRACTICAL	.1	.00	.0	.00	.0	.00	.0	.00	.1	.00
SERVICE WORKERS,NEC	70.1	1.76	17.3	.95	16.6	1.04	.7	.32	8.5	.65
LABORERS,EXCEPT FARM AND MINE	53.3	1.34	2.1	.11	1.7	.11	.3	.15	1.2	.09
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	845.0	100.00	24,880.0	100.00	1,020.0	100.00	1,860.0	100.00	735.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	9.5	1.12	8,231.1	33.08	23.6	2.32	58.9	3.17	1.2	.16
ENGINEERS,TECHNICAL	.6	.07	255.7	1.03	.1	.01	.0	.00	.0	.00
ENGINEERS,AERONAUTICAL	.0	.00	8.2	.03	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.0	.00	7.7	.03	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	.2	.02	41.4	.17	.0	.00	.0	.00	.0	.00
ENGINEERS,ELECTRICAL	.0	.00	57.7	.23	.0	.00	.0	.00	.0	.00
ENGINEERS,INDUSTRIAL	.2	.02	22.4	.09	.0	.00	.0	.00	.0	.00
ENGINEERS,MECHANICAL	.1	.01	36.7	.15	.1	.01	.0	.00	.0	.00
ENGINEERS,METALLURG,ETC	.0	.00	2.7	.01	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.0	.00	1.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	.1	.01	77.9	.31	.0	.00	.0	.00	.0	.00
NATURAL SCIENTISTS	.0	.00	172.5	.69	.0	.00	.1	.01	.0	.00
CHEMISTS	.0	.00	45.7	.18	.0	.00	.0	.00	.0	.00
AGRICULTURAL SCIENTISTS	.0	.00	15.6	.06	.0	.00	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.00	36.2	.15	.0	.00	.1	.01	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	6.2	.02	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.0	.00	19.6	.08	.0	.00	.0	.00	.0	.00
PHYSICISTS	.0	.00	32.6	.13	.0	.00	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	16.7	.07	.0	.00	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	.7	.08	344.4	1.38	.2	.02	.9	.05	.0	.00
DRAFTSMEN	.0	.00	109.6	.44	.0	.00	.0	.00	.0	.00
SURVEYORS	.6	.07	27.5	.11	.0	.00	.1	.01	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	1.1	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	.1	.01	206.1	.83	.2	.02	.7	.04	.0	.00
MEDICAL,OTHER HEALTH WORKERS	.1	.01	2,051.6	8.25	1.0	.10	5.2	.28	.0	.00
DENTISTS	.0	.00	123.8	.50	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	34.0	.14	.3	.03	.0	.00	.0	.00
NURSES,PROFESSIONAL	.1	.01	837.5	3.37	.1	.01	.0	.00	.0	.00
OPTOMETRISTS	.0	.00	19.9	.08	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	16.4	.07	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	12.3	.05	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.0	.00	364.5	1.47	.0	.00	.0	.00	.0	.00
PSYCHOLOGISTS	.0	.00	35.5	.14	.0	.00	.0	.00	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.0	.00	384.4	1.54	.0	.00	.0	.00	.0	.00
VETERINARIANS	.0	.00	2.3	.01	.0	.00	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	221.2	.89	.5	.05	5.2	.28	.0	.00
TEACHERS	.1	.01	3,013.7	12.11	.3	.03	.2	.01	.0	.00
TEACHERS,ELEMENTARY	.0	.00	1,232.9	4.96	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	1,098.2	4.41	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	455.0	1.83	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.1	.01	227.7	.91	.3	.03	.2	.01	.0	.00
SOCIAL SCIENTISTS	.1	.01	21.1	.08	.0	.00	.1	.01	.0	.00
ECONOMISTS	.1	.01	8.8	.04	.0	.00	.0	.00	.0	.00
STATISTICIANS + ACTUARIES	.0	.00	7.0	.03	.0	.00	.1	.01	.0	.00
OTHER SOCIAL SCIENTISTS	.0	.00	5.3	.02	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	7.9	.94	2,372.1	9.53	22.0	2.16	52.4	2.82	1.2	.16
ACCOUNTANTS AND AUDITORS	2.7	.32	230.6	.93	6.2	.61	.7	.04	.4	.05
AIRPLANE PILOTS,NAVIGATORS	.0	.00	2.8	.01	.0	.00	.0	.00	.0	.00
ARCHITECTS	.1	.01	39.1	.16	.0	.00	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	.1	.01	664.0	2.67	6.2	.60	2.9	.16	.3	.04
CLERGYMEN	.0	.00	240.0	.96	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.1	.01	36.2	.15	.0	.00	.6	.03	.0	.00
EDITORS AND REPORTERS	.1	.01	24.8	.10	.0	.00	.0	.00	.0	.00
LAWYERS AND JUDGES	.9	.11	249.4	1.00	.1	.01	.3	.02	.0	.00
LIBRARIANS	.0	.00	122.4	.49	.0	.00	.0	.00	.0	.00
PERSONNEL AND LAB REL WRKS	.2	.02	34.0	.14	.1	.01	.7	.04	.4	.06
PHOTOGRAPHERS	.0	.00	26.8	.11	.0	.00	12.2	.66	.0	.00
SOCIAL AND WELFARE WORKERS	.2	.02	74.3	.30	.1	.01	.2	.01	.0	.00
PROF,TECH,KINDRED,NEC	3.6	.43	627.8	2.52	9.3	.91	34.9	1.87	.1	.01
MANAGERS,OFFICIALS,PROPRIETORS	224.3	26.54	1,428.3	5.74	202.9	19.89	125.7	6.76	112.1	15.25
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.1	.01	6.9	.03	.3	.03	.0	.00	.0	.00
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	1.8	.01	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	1.4	.16	20.3	.08	1.3	.13	.2	.01	.1	.01
MANAGERS,OFFICE,PROP. NEC	222.8	26.37	1,399.3	5.62	201.3	19.73	125.6	6.75	112.1	15.25

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	160.9	19.04	3,642.3	14.64	110.6	10.84	144.8	7.79	120.6	16.41
STENOS,TYPISTS,SECRETARIES	74.0	8.76	1,499.9	6.03	10.0	.99	5.8	.31	3.4	.47
OFFICE MACHINE OPERATORS	2.1	.24	74.7	.30	4.8	.47	4.8	.26	4.4	.60
OTHER CLERICAL,KINDRED WRKRS	84.8	10.04	2,067.7	8.31	95.8	9.39	134.2	7.21	112.8	15.34
ACCOUNTING CLERKS	2.8	.33	63.9	.26	7.3	.72	6.2	.33	3.3	.44
BOOKKEEPERS,HAND	18.5	2.19	180.0	.72	.5	.05	6.5	.35	5.7	.78
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	1.2	.15	86.2	.35	11.0	1.08	7.0	.37	5.8	.79
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	.0	.00	13.0	.05	.2	.02	2.2	.12	1.7	.23
TELEPHONE OPERATORS	1.4	.17	91.6	.37	14.7	1.44	.9	.05	.5	.07
CLERICAL AND KINDRED,NEC	60.8	7.20	1,633.1	6.56	62.1	6.08	111.4	5.99	95.8	13.03
SALES WORKERS	270.8	32.05	155.5	.62	1.8	.18	16.6	.89	10.0	1.35
CRAFTSMEN,FOREMEN AND KINDRED	38.4	4.55	1,212.2	4.87	40.2	3.94	60.2	3.24	37.6	5.12
CONSTRUCTION CRAFTSMEN	22.6	2.68	158.4	.64	12.8	1.26	1.1	.06	.4	.06
CARPENTERS	8.4	.99	51.8	.21	5.7	.56	.4	.02	.1	.01
BRICKMASONS AND TILE SETRS	.2	.02	2.8	.01	.0	.00	.0	.00	.0	.00
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	.5	.05	30.3	.12	1.2	.12	.1	.00	.1	.01
EXCAVATNG,GRADNG MACH OPER	.5	.05	3.8	.02	.0	.00	.0	.00	.0	.00
PAINTERS AND PAPERHANGERS	11.8	1.39	51.9	.21	4.9	.48	.4	.02	.2	.02
PLASTERERS	.8	.10	2.8	.01	.4	.04	.2	.01	.0	.00
PLUMBERS AND PIPEFITTERS	.5	.06	13.8	.06	.6	.06	.0	.00	.0	.00
ROOFERS AND SLATERS	.0	.00	.8	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.3	.00	.0	.00	.1	.00	.1	.01
FOREMEN NEC	3.4	.40	75.4	.30	1.7	.17	11.6	.62	11.6	1.57
METALWKNG CRAFTS EXC MECH	.1	.01	19.8	.08	.0	.00	.2	.01	.2	.02
MACHINISTS AND RELATED OCC	.0	.00	4.1	.02	.0	.00	.2	.01	.2	.02
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	2.6	.01	.0	.00	.0	.00	.0	.00
BOILERMAKERS	.0	.00	2.2	.01	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.0	.00	1.4	.01	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	2.5	.01	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.1	.01	6.9	.03	.0	.00	.0	.00	.0	.00
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	.1	.01	9.3	.04	.1	.01	.2	.01	.1	.01
COMPOSITORS,TYPESETTERS	.1	.01	5.7	.02	.0	.00	.2	.01	.1	.01
ELECTROTYPERS,STEREOTYPERS	.0	.00	.1	.00	.1	.01	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.2	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.5	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	2.8	.01	.0	.00	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.0	.00	2.8	.01	.0	.00	.0	.00	.0	.00
LINEMEN AND SERVICEMEN	.0	.00	2.8	.01	.0	.00	.0	.00	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	8.8	1.04	733.3	2.95	17.7	1.74	17.5	.94	15.4	2.09
AIRPLANE MECH AND REPAIRMN	.0	.00	4.3	.02	.0	.00	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.3	.04	292.5	1.18	.1	.01	2.1	.11	2.0	.27
OFFICE MACHINE MECHANICS	.0	.00	18.0	.07	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	.0	.00	70.1	.28	.0	.00	.1	.01	.0	.00
RR AND CAR SHOP MECHANICS	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	8.5	1.00	348.4	1.40	17.6	1.73	15.3	.82	13.4	1.82

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	3.4	.41	213.4	.86	7.7	.76	29.7	1.59	10.1	1.37
BAKERS	.0	.00	16.9	.07	2.5	.24	.0	.00	.0	.00
CABINETMAKERS	.1	.01	5.7	.02	.1	.01	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	.2	.02	2.4	.01	.0	.00	.0	.00	.0	.00
GLAZIERS	.1	.01	.6	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	9.2	.04	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	3.6	.01	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	1.4	.01	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.0	.00	21.2	.09	.0	.00	.0	.00	.0	.00
UPHOLSTERERS	.0	.00	27.7	.11	.3	.03	.9	.05	.1	.01
CRAFTSMEN AND KINDRED NEC	3.1	.36	124.7	.50	4.8	.47	28.7	1.55	10.0	1.36
OPERATIVES AND KINDRED WORKERS	6.3	.75	1,148.6	4.62	26.6	2.61	465.7	25.04	432.2	58.80
DRIVERS,OTHER TRAN AND PU OP	1.8	.21	239.7	.96	1.2	.12	86.2	4.64	83.6	11.37
DRIVERS,BUS,TRUCK,TRACTOR	1.4	.17	139.4	.56	.9	.08	12.5	.67	12.4	1.69
DELIVERYMEN AND ROUTEMEN	.4	.04	99.0	.40	.3	.03	73.7	3.96	71.2	9.69
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	1.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.0	.00	.3	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	.0	.00	45.5	.18	.1	.01	.1	.00	.1	.01
FURNACEMN,SMELTRMN,POURERS	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.0	.00	45.4	.18	.1	.01	.1	.00	.1	.01
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	4.5	.54	863.3	3.47	25.3	2.48	379.4	20.40	348.5	47.42
ASBESTOS,INSULATION WKRS	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.3	.04	36.4	.15	1.6	.16	.1	.00	.1	.01
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.0	.00	443.3	1.78	14.0	1.38	347.0	18.66	346.6	47.15
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	6.4	.03	1.5	.15	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	4.2	.50	377.1	1.52	8.2	.80	32.3	1.74	1.9	.25
SERVICE WORKERS	84.7	10.03	8,442.9	33.93	601.4	58.96	980.5	52.71	16.0	2.17
PRIVATE HOUSEHOLD WORKERS	.0	.00	2,700.0	10.85	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	4.0	.48	127.9	.51	3.8	.37	1.3	.07	.7	.09
FIREMEN	.0	.00	2.1	.01	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	3.2	.38	113.8	.46	3.3	.33	1.1	.06	.7	.09
POLICE,OTH LAW ENFORCE OFF	.8	.10	12.1	.05	.5	.05	.2	.01	.0	.00
FOOD SERVICE WORKERS	.2	.02	749.7	3.01	142.6	13.98	.6	.03	.5	.06
BARTENDERS	.0	.00	27.8	.11	9.2	.91	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.1	.01	344.4	1.38	40.5	3.97	.1	.01	.1	.02
COUNTER AND FOUNTAIN WKRS	.0	.00	128.8	.52	2.4	.24	.2	.01	.1	.01
WAITERS AND WAITRESSES	.1	.01	248.8	1.00	90.4	8.86	.3	.01	.3	.04
OTHER SERVICE WORKERS	80.5	9.53	4,865.3	19.55	455.0	44.61	978.7	52.62	14.8	2.02
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	1,076.7	4.33	.1	.01	.2	.01	.2	.03
CHARWOMEN AND CLEANERS	6.4	.76	234.3	.94	41.8	4.10	9.2	.49	.1	.02
JANITORS AND SEXTONS	29.6	3.53	667.7	2.68	10.4	1.02	12.9	.69	7.2	.98
NURSES,PRACTICAL	.0	.00	461.8	1.86	.4	.04	.7	.04	.0	.00
SERVICE WORKERS,NEC	44.3	5.24	2,424.7	9.75	402.3	39.44	955.6	51.38	7.3	.99
LABORERS,EXCEPT FARM AND MINE	50.1	5.93	619.2	2.49	12.9	1.27	7.6	.41	5.4	.73
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	1,125.0	100.00	2,040.0	100.00	135.0	100.00	1,905.0	100.00	580.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	57.7	5.13	364.4	17.86	24.7	18.27	339.8	17.83	4.5	.78
ENGINEERS,TECHNICAL	.0	.00	95.5	4.68	.1	.10	95.4	5.01	.1	.01
ENGINEERS,AERONAUTICAL	.0	.00	4.8	.23	.0	.00	4.8	.25	.0	.00
ENGINEERS,CHEMICAL	.0	.00	3.2	.16	.0	.00	3.2	.17	.0	.00
ENGINEERS,CIVIL	.0	.00	2.1	.10	.0	.00	2.1	.11	.0	.00
ENGINEERS,ELECTRICAL	.0	.00	30.4	1.49	.0	.01	30.4	1.60	.0	.00
ENGINEERS,INDUSTRIAL	.0	.00	15.2	.74	.0	.01	15.2	.80	.0	.00
ENGINEERS,MECHANICAL	.0	.00	12.6	.62	.0	.01	12.5	.66	.0	.00
ENGINEERS,METALLURG,ETC	.0	.00	1.5	.07	.0	.00	1.5	.08	.1	.01
ENGINEERS,MINING	.0	.00	.2	.01	.0	.00	.2	.01	.0	.00
OTHER ENGINEERS,TECHNICAL	.0	.00	25.7	1.26	.1	.07	25.6	1.34	.0	.00
NATURAL SCIENTISTS	.1	.01	34.8	1.71	.0	.02	34.8	1.83	.0	.00
CHEMISTS	.0	.00	14.4	.70	.0	.02	14.3	.75	.0	.00
AGRICULTURAL SCIENTISTS	.0	.00	2.9	.14	.0	.00	2.9	.15	.0	.00
BIOLOGICAL SCIENTISTS	.1	.01	1.5	.07	.0	.00	1.5	.08	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	1.9	.09	.0	.00	1.9	.10	.0	.00
MATHEMATICIANS	.0	.00	7.4	.36	.0	.00	7.4	.39	.0	.00
PHYSICISTS	.0	.00	6.3	.31	.0	.00	6.3	.33	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.4	.02	.0	.00	.4	.02	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	.9	.08	88.3	4.33	.2	.11	88.1	4.63	.2	.03
DRAFTSMEN	.0	.00	24.0	1.18	.0	.01	24.0	1.26	.0	.00
SURVEYORS	.1	.01	2.2	.11	.1	.08	2.1	.11	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.9	.05	.0	.00	.9	.05	.0	.00
TECHNICIANS,OTHER	.7	.07	61.1	3.00	.0	.02	61.1	3.21	.2	.03
MEDICAL,OTHER HEALTH WORKERS	5.2	.46	2.9	.14	.1	.04	2.9	.15	.0	.00
DENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.0	.00	.8	.04	.0	.00	.8	.04	.0	.00
NURSES,PROFESSIONAL	.0	.00	.2	.01	.0	.00	.2	.01	.0	.00
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.2	.01	.0	.00	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.0	.00	.2	.01	.0	.00	.2	.01	.0	.00
PSYCHOLOGISTS	.0	.00	.2	.01	.0	.01	.2	.01	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.9	.04	.0	.03	.8	.04	.0	.00
VETERINARIANS	.0	.00	.4	.02	.0	.00	.4	.02	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.2	.01	.0	.00	.2	.01	.0	.00
	5.2	.46	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS	.2	.01	1.1	.05	.0	.00	1.1	.06	3.0	.52
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.2	.01	1.1	.05	.0	.00	1.1	.06	3.0	.52
SOCIAL SCIENTISTS	.1	.01	8.2	.40	.6	.44	7.6	.40	.0	.00
ECONOMISTS	.0	.00	6.5	.32	.4	.30	6.1	.32	.0	.00
STATISTICIANS + ACTUARIES	.1	.01	1.7	.08	.2	.14	1.5	.08	.0	.00
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	51.2	4.56	133.6	6.55	23.7	17.56	109.9	5.77	1.3	.22
ACCOUNTANTS AND AUDITORS	.4	.03	12.4	.61	1.9	1.42	10.4	.55	1.1	.18
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.6	.03	.0	.00	.6	.03	.0	.00
ARCHITECTS	.0	.00	.2	.01	.0	.00	.2	.01	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	2.6	.23	14.5	.71	8.9	6.57	5.7	.30	.0	.00
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.6	.05	14.8	.73	1.3	1.00	13.5	.71	.0	.00
EDITORS AND REPORTERS	.0	.00	12.1	.59	6.8	5.04	5.3	.28	.0	.00
LAWYERS AND JUDGES	.3	.03	1.0	.05	.1	.07	.9	.05	.0	.00
LIBRARIANS	.0	.00	1.4	.07	.3	.22	1.1	.06	.0	.00
PERSONNEL AND LAB REL WRKS	.2	.02	14.1	.69	.3	.26	13.8	.72	.0	.00
PHOTOGRAPHERS	12.2	1.08	4.7	.23	.5	.36	4.2	.22	.0	.00
SOCIAL AND WELFARE WORKERS	.2	.02	.2	.01	.0	.00	.2	.01	.0	.00
PROF,TECH,KINDRED,NEC	34.8	3.09	57.6	2.82	3.6	2.63	54.0	2.83	.2	.03
MANAGERS,OFFICIALS,PROPRIETORS	13.6	1.21	320.2	15.70	42.6	31.58	277.6	14.57	92.7	15.98
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.0	.00	3.6	.18	.3	.26	3.2	.17	.1	.01
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.2	.01	.0	.02	.2	.01	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	.1	.01	6.3	.31	.3	.19	6.0	.32	.3	.05
MANAGERS,OFFICE,PROP. NEC	13.5	1.20	310.2	15.21	42.0	31.11	268.2	14.08	92.3	15.91

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	24.2	2.15	582.9	28.58	45.2	33.49	537.7	28.23	38.8	6.69
STENOS,TYPISTS,SECRETARIES	2.4	.21	218.7	10.72	16.3	12.09	202.4	10.62	2.7	.46
OFFICE MACHINE OPERATORS	.4	.03	23.0	1.13	1.8	1.35	21.2	1.11	1.7	.29
OTHER CLERICAL,KINDRED WRKRS	21.4	1.91	341.2	16.73	27.1	20.04	314.2	16.49	34.4	5.94
ACCOUNTING CLERKS	2.9	.26	10.3	.50	1.3	.96	9.0	.47	2.7	.46
BOOKKEEPERS,HAND	.8	.07	22.5	1.10	2.7	1.98	19.8	1.04	14.4	2.49
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	1.2	.10	1.2	.06	.1	.05	1.1	.06	2.7	.47
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	.5	.04	5.2	.25	.3	.20	4.9	.26	.4	.08
TELEPHONE OPERATORS	.4	.04	21.4	1.05	.6	.48	20.7	1.09	.1	.02
CLERICAL AND KINDRED,NEC	15.6	1.39	280.7	13.76	22.1	16.37	258.6	13.57	14.1	2.43
SALES WORKERS	6.6	.59	83.0	4.07	10.9	8.05	72.1	3.79	6.2	1.06
CRAFTSMEN,FOREMEN AND KINDRED	22.6	2.00	177.0	8.68	4.6	3.41	172.4	9.05	298.7	51.50
CONSTRUCTION CRAFTSMEN	.7	.06	33.4	1.64	2.1	1.58	31.3	1.64	1.7	.30
CARPENTERS	.4	.03	7.5	.37	.4	.33	7.0	.37	.1	.01
BRICKMASONS AND TILE SETRS	.0	.00	.0	.00	.0	.00	.0	.00	.1	.01
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	.0	.00	6.2	.30	.2	.16	6.0	.31	.2	.03
EXCAVATNG,GRADNG MACH OPER	.0	.00	2.3	.11	.0	.01	2.3	.12	.0	.01
PAINTERS AND PAPERHANGERS	.2	.02	16.5	.81	1.5	1.08	15.1	.79	1.4	.24
PLASTERERS	.2	.01	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	.0	.00	.9	.04	.0	.01	.9	.05	.0	.00
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FOREMEN NEC	.0	.00	25.2	1.24	.4	.32	24.8	1.30	5.3	.92
METALWKNG CRAFTS EXC MECH	.0	.00	8.7	.43	.2	.17	8.5	.44	.3	.05
MACHINISTS AND RELATED OCC	.0	.00	1.0	.05	.0	.00	1.0	.05	.1	.02
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BOILERMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.0	.00	1.2	.06	.0	.00	1.2	.06	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	2.3	.11	.0	.02	2.2	.12	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.0	.00	4.2	.21	.2	.15	4.0	.21	.1	.02
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	.1	.01	3.1	.15	.2	.13	2.9	.15	.0	.00
COMPOSITORS,TYPESETTERS	.1	.01	.8	.04	.1	.06	.7	.04	.0	.00
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.4	.02	.0	.01	.4	.02	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	1.9	.10	.1	.06	1.9	.10	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.0	.00	2.6	.13	.0	.00	2.6	.13	.0	.00
LINEMEN AND SERVICEMEN	.0	.00	2.6	.13	.0	.00	2.6	.13	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	2.2	.19	66.8	3.27	1.5	1.13	65.3	3.43	284.6	49.06
AIRPLANE MECH AND REPAIRMN	.0	.00	1.4	.07	.0	.00	1.4	.07	.3	.04
MOTOR VEHICLE MECHANICS	.1	.01	2.9	.14	.0	.02	2.9	.15	277.6	47.85
OFFICE MACHINE MECHANICS	.0	.00	11.1	.55	.0	.02	11.1	.58	.2	.03
RADIO AND TV MECHANICS	.1	.01	2.0	.10	.0	.00	2.0	.11	.2	.04
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	2.0	.17	49.3	2.42	1.5	1.10	47.8	2.51	6.4	1.10

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	19.6	1.74	37.3	1.83	.1	.08	37.2	1.95	6.8	1.18
BAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.0	.00	.9	.04	.0	.00	.9	.05	.0	.00
CRANE,DERRICK,HOIST MEN	.0	.00	2.2	.11	.0	.00	2.2	.12	.0	.00
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.5	.09
JEWELERS AND WATCHMAKERS	.0	.00	.9	.05	.0	.00	.9	.05	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	1.4	.07	.0	.00	1.4	.07	.0	.00
INSPECTORS,OTHER	.0	.00	8.4	.41	.0	.00	8.4	.44	.0	.00
UPHOLSTERERS	.8	.07	1.4	.07	.0	.00	1.4	.07	4.3	.75
CRAFTSMEN AND KINDRED NEC	18.7	1.66	22.1	1.08	.1	.08	22.0	1.15	2.0	.34
OPERATIVES AND KINDRED WORKERS	33.6	2.98	185.2	9.08	4.8	3.55	180.5	9.47	96.0	16.56
DRIVERS,OTHER TRAN AND PU OP	2.6	.23	23.6	1.16	1.2	.90	22.4	1.18	12.5	2.16
DRIVERS,BUS,TRUCK,TRACTOR	.1	.01	18.6	.91	.1	.11	18.5	.97	9.1	1.57
DELIVERYMEN AND ROUTEMEN	2.5	.22	5.0	.25	1.1	.79	4.0	.21	3.4	.58
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	.0	.00	3.9	.19	.0	.03	3.9	.20	4.2	.72
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.0	.00	3.9	.19	.0	.03	3.9	.20	4.2	.72
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	30.9	2.75	157.7	7.73	3.5	2.62	154.2	8.09	79.4	13.68
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.5	.03	.0	.01	.5	.03	30.6	5.27
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.5	.04	.0	.00	.0	.00	.0	.00	.7	.13
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	30.4	2.71	157.2	7.70	3.5	2.61	153.6	8.06	48.1	8.29
SERVICE WORKERS	964.5	85.74	295.4	14.48	1.0	.72	294.5	15.46	3.7	.63
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	.6	.05	83.8	4.11	.1	.08	83.7	4.39	.1	.02
FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	.4	.04	81.0	3.97	.1	.08	80.9	4.24	.1	.02
POLICE,OTH LAW ENFORCE OFF	.2	.02	2.8	.14	.0	.00	2.8	.15	.0	.00
FOOD SERVICE WORKERS	.1	.01	1.1	.05	.0	.03	1.0	.06	.0	.00
BARTENDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.0	.00	.5	.03	.0	.01	.5	.03	.0	.00
COUNTER AND FOUNTAIN WKRS	.1	.01	.0	.00	.0	.01	.0	.00	.0	.00
WAITERS AND WAITRESSES	.0	.00	.6	.03	.0	.01	.5	.03	.0	.00
OTHER SERVICE WORKERS	963.9	85.67	210.6	10.32	.8	.62	209.8	11.01	3.6	.61
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	9.0	.80	74.7	3.66	.4	.27	74.3	3.90	.7	.13
JANITORS AND SEXTONS	5.7	.51	84.0	4.12	.2	.17	83.8	4.40	.9	.15
NURSES,PRACTICAL	.7	.07	2.7	.13	.0	.00	2.7	.14	.0	.00
SERVICE WORKERS,NEC	948.3	84.30	49.2	2.41	.2	.17	49.0	2.57	2.0	.34
LABORERS,EXCEPT FARM AND MINE	2.2	.20	31.7	1.55	1.3	.93	30.4	1.60	39.4	6.80
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	375.0	100.00	230.0	100.00	605.0	100.00	5,350.0	100.00	3,375.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	4.3	1.15	68.5	29.80	109.8	18.14	2,060.5	38.51	1,202.4	35.63
ENGINEERS,TECHNICAL	.9	.23	.3	.11	.0	.00	4.8	.09	3.4	.10
ENGINEERS,AERCNAUTICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CHEMICAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,CIVIL	.1	.02	.0	.00	.0	.00	2.9	.06	1.7	.05
ENGINEERS,ELECTRICAL	.2	.06	.1	.05	.0	.00	.3	.01	.3	.01
ENGINEERS,INDUSTRIAL	.1	.02	.1	.02	.0	.00	.2	.00	.2	.01
ENGINEERS,MECHANICAL	.2	.04	.1	.03	.0	.00	.5	.01	.5	.02
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	.3	.08	.0	.01	.0	.00	.7	.01	.5	.02
NATURAL SCIENTISTS	.2	.06	.0	.00	.0	.00	25.6	.48	13.3	.39
CHEMISTS	.0	.00	.0	.00	.0	.00	10.1	.19	6.8	.20
AGRICULTURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.5	.01	.3	.01
BIOLOGICAL SCIENTISTS	.2	.06	.0	.00	.0	.00	11.9	.22	5.9	.17
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MATHEMATICIANS	.0	.00	.0	.00	.0	.00	.2	.00	.0	.00
PHYSICISTS	.0	.00	.0	.00	.0	.00	.3	.01	.3	.01
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	.0	.00	2.5	.05	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	1.6	.44	1.7	.76	.3	.06	2.5	.05	2.3	.07
DRAFTSMEN	.1	.02	.0	.00	.1	.01	.0	.00	.0	.00
SURVEYORS	.0	.00	.0	.00	.1	.01	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TECHNICIANS,OTHER	1.6	.41	1.7	.76	.2	.03	2.5	.05	2.3	.07
MEDICAL,OTHER HEALTH WORKERS	.0	.00	.5	.21	.7	.12	1,937.2	36.21	1,127.9	33.42
DENTISTS	.0	.00	.0	.01	.0	.00	121.9	2.28	.7	.02
DIETICIANS,NUTRITIONISTS	.0	.00	.0	.00	.0	.00	25.1	.47	24.3	.72
NURSES,PROFESSIONAL	.0	.00	.3	.11	.1	.01	799.3	14.94	593.5	17.59
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	19.9	.37	1.0	.03
OSTEOPATHS	.0	.00	.0	.00	.0	.00	16.4	.31	1.3	.04
PHARMACISTS	.0	.00	.0	.00	.0	.00	11.3	.21	9.4	.28
PHYSICIANS AND SURGEONS	.0	.00	.2	.09	.1	.01	354.2	6.62	70.1	2.08
PSYCHOLOGISTS	.0	.00	.0	.00	.0	.00	7.2	.13	3.2	.09
TECHNICIANS,MEDICAL,DENTAL	.0	.00	.0	.00	.0	.00	376.5	7.04	280.7	8.32
VETERINARIANS	.0	.00	.0	.00	.0	.00	.4	.01	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.0	.00	.0	.00	.6	.09	204.9	3.83	143.7	4.26
TEACHERS	.2	.04	.4	.18	9.5	1.56	8.4	.16	5.7	.17
TEACHERS,ELEMENTARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.2	.04	.4	.18	9.5	1.56	8.4	.16	5.7	.17
SOCIAL SCIENTISTS	.0	.00	.2	.08	.0	.00	1.6	.03	.6	.02
ECONOMISTS	.0	.00	.0	.01	.0	.00	.2	.00	.0	.00
STATISTICIANS + ACTUARIES	.0	.00	.2	.07	.0	.00	1.2	.02	.6	.02
OTHER SOCIAL SCIENTISTS	.0	.00	.0	.00	.0	.00	.2	.00	.0	.00
OTHER PROF,TECH AND KINDRED	1.4	.38	65.5	28.46	99.3	16.41	80.4	1.50	49.1	1.46
ACCOUNTANTS AND AUDITORS	.3	.08	1.7	.75	1.5	.25	6.4	.12	5.4	.16
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ARCHITECTS	.0	.00	.0	.00	.1	.01	.0	.00	.0	.00
WRKRS IN ARTS,ENTERTAINMNT	.3	.09	55.1	23.96	63.8	10.55	1.1	.02	.7	.02
CLERGYMEN	.0	.00	.0	.00	.0	.00	2.0	.04	1.0	.03
DESIGNERS,EXC DESIGN DRAFT	.0	.01	.4	.17	.1	.01	.2	.00	.0	.00
EDITORS AND REPORTERS	.1	.03	3.1	1.35	.1	.02	.2	.00	.0	.00
LAWYERS AND JUDGES	.0	.00	.4	.19	.1	.01	2.7	.05	.0	.00
LIBRARIANS	.0	.00	.1	.02	.0	.00	8.0	.15	7.6	.22
PERSONNEL AND LAB REL WRKS	.1	.02	.1	.06	.5	.09	7.8	.15	5.3	.16
PHOTOGRAPHERS	.0	.00	1.9	.83	.1	.02	2.7	.05	1.7	.05
SOCIAL AND WELFARE WORKERS	.0	.00	.0	.00	.9	.14	24.9	.47	13.4	.40
PROF,TECH,KINDRED,NEC	.6	.15	2.6	1.13	32.2	5.32	24.3	.45	14.2	.42
MANAGERS,OFFICIALS,PROPRIETORS	46.4	12.36	39.2	17.03	80.3	13.27	119.2	2.23	60.2	1.78
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.0	.01	.0	.02	.1	.02	2.6	.05	2.2	.06
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.5	.08	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	.2	.04	.7	.32	.2	.03	5.2	.10	4.8	.14
MANAGERS,OFFICE,PROP. NEC	46.2	12.31	38.4	16.69	79.6	13.15	111.5	2.08	53.2	1.58

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	24.0	6.39	41.0	17.83	48.5	8.02	886.0	16.56	385.8	11.43
STENOS,TYPISTS,SECRETARIES	3.9	1.03	6.7	2.91	10.0	1.65	295.9	5.53	140.7	4.17
OFFICE MACHINE OPERATORS	.3	.09	3.1	1.35	.7	.11	10.6	.20	6.7	.20
OTHER CLERICAL,KINDRED WRKRS	19.8	5.28	31.2	13.57	37.9	6.27	579.5	10.83	238.4	7.06
ACCOUNTING CLERKS	.2	.05	3.3	1.45	.9	.15	12.1	.23	10.0	.30
BOOKKEEPERS,HAND	7.3	1.95	1.1	.49	6.8	1.13	31.3	.58	12.6	.37
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.2	.05	17.0	7.37	13.1	2.17	10.5	.20	10.1	.30
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	.6	.16	.6	.27	.1	.02	1.8	.03	1.6	.05
TELEPHONE OPERATORS	.1	.04	.3	.13	1.7	.28	26.6	.50	25.5	.76
CLERICAL AND KINDRED,NEC	11.4	3.03	8.9	3.85	15.2	2.52	497.2	9.29	178.6	5.29
SALES WORKERS	4.5	1.21	6.9	3.00	7.0	1.16	.8	.01	.6	.02
CRAFTSMEN,FOREMEN AND KINDRED	209.1	55.75	27.2	11.85	36.6	6.05	108.3	2.02	79.8	2.36
CONSTRUCTION CRAFTSMEN	8.7	2.32	3.5	1.51	11.2	1.84	25.3	.47	22.3	.66
CARPENTERS	.9	.24	.5	.20	8.0	1.32	6.0	.11	4.3	.13
BRICKMASONS AND TILE SETRS	.1	.02	.0	.01	.3	.05	.3	.01	.3	.01
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	5.6	1.48	1.7	.72	.9	.15	6.1	.11	5.8	.17
EXCAVATNG,GRADNG MACH OPER	.0	.01	.0	.00	.3	.05	.1	.00	.0	.00
PAINTERS AND PAPERHANGERS	1.5	.41	1.3	.54	1.4	.24	7.4	.14	6.9	.20
PLASTERERS	.1	.01	.0	.01	.0	.00	.9	.02	.9	.03
PLUMBERS AND PIPEFITTERS	.5	.14	.1	.02	.2	.04	4.6	.09	4.1	.12
ROOFERS AND SLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
FOREMEN NEC	3.4	.90	.7	.31	1.4	.24	7.3	.14	5.1	.15
METALWKNG CRAFTS EXC MECH	5.3	1.41	.1	.06	.7	.12	1.1	.02	.7	.02
MACHINISTS AND RELATED OCC	.0	.01	.1	.06	.5	.08	.5	.01	.3	.01
BLKSMITHS,FORGMN,HAMMERMEN	2.4	.64	.0	.00	.1	.01	.0	.00	.0	.00
BOILERMAKERS	2.1	.56	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.1	.02	.0	.00	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.6	.16	.0	.00	.2	.03	.5	.01	.3	.01
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	.0	.00	.2	.07	.1	.01	.6	.01	.3	.01
COMPOSITORS,TYPESETTERS	.0	.00	.0	.01	.1	.01	.6	.01	.3	.01
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.1	.03	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	.1	.03	.0	.00	.0	.00	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.2	.05	.0	.00	.0	.00	.0	.00	.0	.00
LINEMEN AND SERVICEMEN	.2	.05	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	159.4	42.51	1.8	.79	21.1	3.48	48.5	.91	41.1	1.22
AIRPLANE MECH AND REPAIRMN	.8	.22	.0	.00	.1	.01	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	4.4	1.17	.0	.01	.8	.14	.6	.01	.6	.02
OFFICE MACHINE MECHANICS	5.9	1.58	.0	.00	.0	.00	.0	.00	.0	.00
RADIO AND TV MECHANICS	66.4	17.69	.0	.01	.1	.01	.0	.00	.0	.00
RR AND CAR SHOP MECHANICS	.1	.03	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	81.8	21.81	1.8	.77	20.1	3.33	47.9	.90	40.5	1.20

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	32.1	8.57	21.0	9.11	2.2	.36	25.4	.48	10.4	.31
BAKERS	.0	.00	.0	.00	.8	.13	3.1	.06	2.	.08
CABINETMAKERS	3.1	.82	.0	.00	.0	.00	.3	.01	.3	.01
CRANE,DERRICK,HOIST MEN	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	8.1	2.16	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.01	.0	.00	3.6	.07	.3	.01
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.1	.03	.2	.07	.1	.01	11.3	.21	.3	.01
UPHOLSTERERS	16.3	4.35	.0	.02	.0	.00	.0	.00	.0	.00
CRAFTSMEN AND KINDRED NEC	4.5	1.20	20.7	9.01	1.3	.22	7.2	.14	6.6	.20
OPERATIVES AND KINDRED WORKERS	75.6	20.16	7.3	3.17	13.1	2.16	98.6	1.84	84.3	2.50
DRIVERS,OTHER TRAN AND PU OP	6.8	1.80	.8	.36	2.2	.36	6.5	.12	4.5	.13
DRIVERS,BUS,TRUCK,TRACTOR	4.0	1.06	.5	.22	1.8	.29	2.3	.04	1.6	.05
DELIVERYMEN AND ROUTEMEN	2.8	.74	.3	.13	.3	.04	3.2	.06	2.0	.06
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	1.0	.02	1.0	.03
SAILORS AND DECKHANDS	.0	.00	.0	.00	.2	.03	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	34.9	9.31	.0	.01	.1	.02	.4	.01	.4	.01
FURNACEMN,SMELTRMN,POURERS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	34.9	9.29	.0	.01	.1	.02	.4	.01	.4	.01
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	33.9	9.04	6.4	2.80	10.7	1.77	91.8	1.72	79.5	2.35
ASBESTOS,INSULATION WKRS	.1	.02	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.2	.05	.1	.05	1.5	.25	.6	.01	.6	.02
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.1	.02	.1	.03	.7	.11	64.5	1.21	58.4	1.73
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	.0	.00	.5	.08	1.7	.03	1.3	.04
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	33.6	8.95	6.3	2.72	8.0	1.32	25.0	.47	19.2	.57
SERVICE WORKERS	2.5	.65	38.8	16.86	261.5	43.22	2,064.5	38.59	1,554.8	46.07
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	.2	.04	.4	.19	9.1	1.50	7.4	.14	6.3	.19
FIREMEN	.0	.00	.0	.01	.1	.01	.9	.02	.7	.02
GUARDS,WATCHMEN,DOORKEEPRS	.2	.04	.0	.02	8.0	1.33	5.8	.11	5.1	.15
POLICE,OTH LAW ENFORCE OFF	.0	.00	.4	.16	1.0	.16	.7	.01	.5	.02
FOOD SERVICE WORKERS	.0	.00	2.9	1.28	101.4	16.76	87.1	1.63	61.0	1.81
BARTENDERS	.0	.00	.0	.00	13.0	2.15	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.0	.00	.3	.12	20.5	3.39	54.9	1.03	33.0	.98
COUNTER AND FOUNTAIN WKRS	.0	.00	.7	.28	3.6	.59	18.4	.34	16.5	.49
WAITERS AND WAITRESSES	.0	.00	2.0	.87	64.2	10.62	13.9	.26	11.5	.34
OTHER SERVICE WORKERS	2.3	.61	35.4	15.39	151.0	24.96	1,970.0	36.82	1,487.4	44.07
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	.0	.00	.0	.00	1,026.8	19.19	849.2	25.16
CHARWOMEN AND CLEANERS	.7	.18	1.8	.79	4.1	.68	51.2	.96	22.2	.66
JANITORS AND SEXTONS	1.3	.34	3.7	1.62	28.3	4.68	52.5	.98	33.2	.98
NURSES,PRACTICAL	.0	.00	.0	.00	.1	.01	423.4	7.91	231.2	6.85
SERVICE WORKERS,NEC	.3	.09	29.8	12.97	118.5	19.59	416.1	7.78	351.6	10.42
LABORERS,EXCEPT FARM AND MINE	8.7	2.32	1.1	.47	48.2	7.97	12.1	.23	7.1	.21
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	1,975.0	100.00	455.0	100.00	6,835.0	100.00	1,360.0	100.00	970.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	858.1	43.45	248.1	54.52	4,147.5	60.68	476.4	35.03	411.5	42.42
ENGINEERS,TECHNICAL	1.4	.07	.0	.00	30.4	.44	2.5	.18	.2	.02
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00	2.2	.03	.5	.04	.0	.00
ENGINEERS,CHEMICAL	.0	.00	.0	.00	2.4	.04	.1	.01	.0	.00
ENGINEERS,CIVIL	1.2	.06	.0	.00	1.2	.02	.6	.04	.0	.00
ENGINEERS,ELECTRICAL	.0	.00	.0	.00	10.7	.16	.6	.04	.1	.01
ENGINEERS,INDUSTRIAL	.0	.00	.0	.00	1.4	.02	.0	.00	.0	.00
ENGINEERS,MECHANICAL	.0	.00	.0	.00	5.2	.08	.8	.06	.1	.01
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	.0	.00	.1	.01	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER ENGINEERS,TECHNICAL	.1	.01	.0	.00	7.2	.11	.4	.03	.0	.00
NATURAL SCIENTISTS	12.3	.62	.0	.00	82.9	1.21	5.1	.37	4.9	.50
CHEMISTS	3.4	.17	.0	.00	12.4	.18	5.0	.37	4.9	.50
AGRICULTURAL SCIENTISTS	.2	.01	.0	.00	11.5	.17	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	6.0	.31	.0	.00	16.8	.25	.0	.00	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	2.6	.04	.0	.00	.0	.00
MATHEMATICIANS	.2	.01	.0	.00	6.9	.10	.0	.00	.0	.00
PHYSICISTS	.0	.00	.0	.00	21.6	.32	.0	.00	.0	.00
OTHER NATURAL SCIENTISTS	2.5	.13	.0	.00	11.1	.16	.0	.00	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	.2	.01	.1	.01	92.6	1.35	2.0	.15	.3	.04
DRAFTSMEN	.0	.00	.1	.01	4.7	.07	.3	.03	.1	.01
SURVEYORS	.0	.00	.0	.00	.8	.01	.0	.00	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.0	.00	.0	.00	.0	.00	.1	.01	.0	.00
TECHNICIANS,OTHER	.2	.01	.0	.00	87.1	1.27	1.5	.11	.2	.02
MEDICAL,OTHER HEALTH WORKERS	809.3	40.97	1.0	.22	76.4	1.12	14.9	1.09	13.4	1.38
DENTISTS	121.2	6.14	.2	.04	.7	.01	.9	.06	.9	.09
DIETICIANS,NUTRITIONISTS	.8	.04	.0	.00	5.8	.09	1.8	.13	1.6	.16
NURSES,PROFESSIONAL	205.8	10.42	.3	.06	25.1	.37	7.3	.54	7.1	.73
OPTOMETRISTS	18.9	.96	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	15.1	.77	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	1.9	.10	.0	.00	.6	.01	.1	.01	.1	.01
PHYSICIANS AND SURGEONS	284.1	14.39	.5	.11	6.6	.10	1.3	.10	1.1	.12
PSYCHOLOGISTS	4.0	.20	.0	.00	23.0	.34	.7	.05	.7	.08
TECHNICIANS,MEDICAL,DENTAL	95.8	4.85	.1	.01	6.0	.09	.5	.04	.5	.05
VETERINARIANS	.4	.02	.0	.00	1.5	.02	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	61.2	3.10	.0	.00	7.0	.10	2.2	.16	1.4	.15
TEACHERS	2.7	.14	.1	.01	2,968.0	43.42	20.7	1.52	14.6	1.50
TEACHERS,ELEMENTARY	.0	.00	.0	.00	1,226.0	17.94	6.5	.48	6.5	.67
TEACHERS,SECONDARY	.0	.00	.0	.00	1,094.0	16.01	4.2	.31	4.2	.44
TEACHERS,COLLEGE	.0	.00	.0	.00	455.0	6.66	.0	.00	.0	.00
TEACHERS,OTHER	2.7	.14	.1	.01	193.0	2.82	10.0	.73	3.9	.40
SOCIAL SCIENTISTS	1.0	.05	.0	.00	6.1	.09	2.0	.15	1.5	.15
ECONOMISTS	.2	.01	.0	.00	1.3	.02	.1	.00	.0	.00
STATISTICIANS + ACTUARIES	.6	.03	.0	.00	1.4	.02	.8	.06	.4	.04
OTHER SOCIAL SCIENTISTS	.2	.01	.0	.00	3.4	.05	1.2	.09	1.1	.11
OTHER PROF,TECH AND KINDRED	31.2	1.58	246.9	54.27	891.2	13.04	429.3	31.57	376.6	38.83
ACCOUNTANTS AND AUDITORS	1.0	.05	1.9	.42	4.9	.07	3.9	.29	2.3	.23
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.0	.00	.7	.01	.5	.03	.5	.05
ARCHITECTS	.0	.00	.1	.01	.8	.01	.6	.05	.6	.06
WRKRS IN ARTS,ENTERTAINMNT	.4	.02	.1	.03	393.0	5.75	64.5	4.75	55.3	5.70
CLERGYMEN	1.0	.05	.0	.00	3.7	.05	234.3	17.23	234.3	24.16
DESIGNERS,EXC DESIGN DRAFT	.2	.01	.0	.01	.7	.01	.0	.00	.0	.00
EDITORS AND REPORTERS	.2	.01	.1	.01	3.0	.04	2.8	.21	.9	.09
LAWYERS AND JUDGES	2.7	.14	240.9	52.95	.6	.01	2.0	.14	.7	.07
LIBRARIANS	.4	.02	.2	.04	110.2	1.61	1.5	.11	1.1	.11
PERSONNEL AND LAB REL WRKS	2.5	.13	.1	.02	7.5	.11	2.0	.15	1.4	.14
PHOTOGRAPHERS	1.0	.05	.0	.01	2.4	.04	.3	.02	.2	.02
SOCIAL AND WELFARE WORKERS	11.5	.58	.0	.00	12.7	.19	33.7	2.48	31.4	3.24
PROF,TECH,KINDRED,NEC	10.2	.52	3.5	.77	351.1	5.14	83.0	6.11	48.0	4.94
MANAGERS,OFFICIALS,PROPRIETORS	59.0	2.99	3.9	.85	240.7	3.52	113.8	8.37	32.0	3.30
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.4	.02	.0	.00	.0	.00	.0	.00	.0	.00
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	.3	.02	.0	.00	4.1	.06	.7	.05	.4	.04
MANAGERS,OFFICE,PROP. NEC	58.3	2.95	3.9	.85	236.6	3.46	113.1	8.31	31.6	3.26

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	500.2	25.33	198.8	43.70	1,032.8	15.11	305.4	22.46	171.6	17.69
STENOS,TYPISTS,SECRETARIES	155.2	7.86	170.2	37.40	483.0	7.07	186.0	13.67	116.1	11.97
OFFICE MACHINE OPERATORS	3.9	.20	.2	.05	13.1	.19	4.6	.34	2.0	.21
OTHER CLERICAL,KINDRED WRKRS	341.1	17.27	28.4	6.25	536.7	7.85	114.8	8.44	53.4	5.51
ACCOUNTING CLERKS	2.1	.11	.7	.14	13.1	.19	2.3	.17	1.4	.14
BOOKKEEPERS,HAND	18.7	.95	5.3	1.17	12.4	.18	20.5	1.50	10.8	1.11
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.4	.02	.0	.01	20.0	.29	3.2	.23	1.5	.15
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	.2	.01	.0	.00	.7	.01	.8	.06	.4	.05
TELEPHONE OPERATORS	1.1	.06	.9	.19	19.0	.28	3.9	.29	2.2	.23
CLERICAL AND KINDRED,NEC	318.6	16.13	21.5	4.73	471.5	6.90	84.2	6.19	37.1	3.82
SALES WORKERS	.2	.01	.2	.04	11.7	.17	10.9	.80	7.9	.81
CRAFTSMEN,FOREMEN AND KINDRED	28.5	1.44	.2	.05	168.0	2.46	42.8	3.14	32.2	3.32
CONSTRUCTION CRAFTSMEN	3.1	.16	.1	.03	38.1	.56	9.8	.72	6.3	.65
CARPENTERS	1.6	.08	.1	.01	13.8	.20	4.0	.29	3.0	.31
BRICKMASONS AND TILE SETRS	.0	.00	.0	.00	1.4	.02	.5	.04	.2	.02
CEMENT,CONCRETE FINISHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	.3	.02	.0	.00	6.0	.09	1.1	.08	.4	.04
EXCAVATNG,GRADNG MACH OPER	.1	.01	.0	.00	.5	.01	.2	.02	.2	.02
PAINTERS AND PAPERHANGERS	.5	.02	.1	.02	9.8	.14	2.4	.17	2.1	.22
PLASTERERS	.0	.00	.0	.00	.9	.01	.3	.02	.0	.00
PLUMBERS AND PIPEFITTERS	.5	.02	.0	.00	4.9	.07	1.2	.09	.4	.04
ROOFERS AND SLATERS	.0	.00	.0	.00	.7	.01	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.0	.00	.0	.00	.0	.00	[illegible]	.01	.0	.00
FOREMEN NEC	2.2	.11	.0	.00	13.3	.19	1.2	.09	1.1	.11
METALWKNG CRAFTS EXC MECH	.4	.02	.0	.00	2.2	.03	.2	.01	.0	.00
MACHINISTS AND RELATED OCC	.2	.01	.0	.00	1.5	.02	.0	.00	.0	.00
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
BOILERMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.2	.01	.0	.00	.7	.01	.0	.00	.0	.00
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	.3	.02	.0	.00	3.0	.04	1.1	.08	.8	.08
COMPOSITORS,TYPESETTERS	.3	.02	.0	.00	3.0	.04	.6	.05	.6	.06
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.0	.00	.0	.00	.0	.00	.5	.03	.2	.02
TRANSPORT AND PUB UTIL CRAFT	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LINEMEN AND SERVICEMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	7.4	.37	.1	.01	83.5	1.22	21.2	1.56	17.5	1.80
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	1.5	.02	.0	.00	.0	.00
MOTOR VEHICLE MECHANICS	.0	.00	.0	.00	3.1	.04	.1	.01	.0	.00
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.6	.01	.0	.00	.0	.00
RADIO AND TV MECHANICS	.0	.00	.0	.00	.7	.01	.4	.03	.3	.03
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	7.4	.37	.1	.01	77.7	1.14	20.7	1.52	17.1	1.77

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	15.1	.76	.0	.01	27.9	.41	9.3	.68	6.6	.68
BAKERS	.2	.01	.0	.00	9.7	.14	.9	.06	.4	.04
CABINETMAKERS	.0	.00	.0	.00	.6	.01	.7	.05	.7	.07
CRANE,DERRICK,HOIST MEN	.0	.00	.0	.00	.0	.00	.1	.01	.0	.00
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.1	.01	.1	.01
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	3.3	.17	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	10.9	.55	.0	.00	.0	.00	.9	.06	.3	.03
UPHOLSTERERS	.0	.00	.0	.00	1.4	.02	1.3	.10	1.3	.14
CRAFTSMEN AND KINDRED NEC	.6	.03	.0	.01	16.1	[illegible]	5.4	.39	3.7	.39
OPERATIVES AND KINDRED WORKERS	14.3	.72	.2	.05	125.6	1.84	26.6	1.96	20.2	2.08
DRIVERS,OTHER TRAN AND PU OP	2.0	.10	.1	.03	84.0	1.23	8.8	.65	7.4	.76
DRIVERS,BUS,TRUCK,TRACTOR	.8	.04	.0	.00	80.8	1.18	7.8	.57	6.8	.70
DELIVERYMEN AND ROUTEMEN	1.2	.06	.1	.03	3.2	.05	1.0	.07	.6	.06
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	.0	.00	.0	.00	.9	.01	.2	.02	.0	.00
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.0	.00	.0	.00	.9	.01	.2	.02	.0	.00
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	12.3	.62	.1	.02	[illegible]	.60	17.6	1.30	12.8	1.32
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.0	.00	.0	.00	.7	.01	.5	.04	.2	.02
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	6.1	.31	.0	.00	8.6	.13	7.1	.52	6.5	.67
MEAT CUTTERS,EXC MEATPCKNG	.4	.02	.0	.00	2.4	.04	.3	.02	.2	.02
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	5.8	.29	.1	.02	29.1	.43	9.8	.72	5.9	.61
SERVICE WORKERS	509.7	25.81	3.4	.75	1,064.2	15.57	369.7	27.18	282.8	29.16
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	1.0	.05	.1	.03	12.5	.18	5.8	.43	2.3	.24
FIREMEN	.2	.01	.0	.00	.0	.00	.9	.07	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	.7	.03	.0	.00	7.1	.10	4.4	.32	2.2	.23
POLICE,OTH LAW ENFORCE OFF	.2	.01	.1	.03	5.4	.08	.5	.04	.1	.01
FOOD SERVICE WORKERS	26.1	1.32	.0	.00	351.6	5.14	61.6	4.53	29.5	3.04
BARTENDERS	.0	.00	.0	.00	.0	.00	5.3	.39	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	21.9	1.11	.0	.00	196.3	2.87	30.9	2.28	22.1	2.28
COUNTER AND FOUNTAIN WKRS	1.8	.09	.0	.00	100.3	1.47	3.0	.22	1.3	.13
WAITERS AND WAITRESSES	2.4	.12	.0	.00	54.9	.80	22.3	1.64	6.2	.64
OTHER SERVICE WORKERS	482.6	24.43	3.3	.73	700.1	10.24	302.3	22.22	251.0	25.88
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	177.6	8.99	.0	.00	9.0	.13	34.2	2.51	33.7	3.48
CHARWOMEN AND CLEANERS	29.0	1.47	1.4	.31	32.0	.47	10.4	.77	7.4	.77
JANITORS AND SEXTONS	19.3	.98	1.3	.29	340.5	4.98	120.1	8.83	103.8	10.70
NURSES,PRACTICAL	192.2	9.73	.1	.01	1.3	.02	9.8	.72	9.7	1.00
SERVICE WORKERS,NEC	64.5	3.27	.5	.11	317.4	4.64	127.7	9.39	96.4	9.94
LABORERS,EXCEPT FARM AND MINE	5.0	.25	.2	.04	44.3	.65	14.4	1.06	11.9	1.22
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	390.0	100.00	3,175.0	100.00	995.0	100.00	450.0	100.00	305.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	64.9	16.65	5.9	.19	658.7	66.20	328.0	72.88	185.0	60.65
ENGINEERS,TECHNICAL	2.3	.59	.0	.00	121.3	12.19	112.0	24.90	.8	.27
ENGINEERS,AERONAUTICAL	.5	.14	.0	.00	.7	.07	.5	.11	.0	.00
ENGINEERS,CHEMICAL	.1	.02	.0	.00	2.0	.20	1.5	.32	.0	.00
ENGINEERS,CIVIL	.4	.11	.0	.00	34.5	3.47	34.1	7.57	.1	.03
ENGINEERS,ELECTRICAL	.0	.00	.0	.00	15.8	1.59	13.4	2.98	.1	.04
ENGINEERS,INDUSTRIAL	.7	.18	.0	.00	4.6	.47	3.7	.82	.4	.14
ENGINEERS,MECHANICAL	.1	.02	.0	.00	18.0	1.81	16.9	3.76	.0	.01
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00	1.2	.12	.4	.08	.0	.00
ENGINEERS,MINING	.0	.00	.0	.00	.8	.08	.8	.17	.0	.00
OTHER ENGINEERS,TECHNICAL	.4	.11	.0	.00	43.6	4.38	40.9	9.08	.1	.05
NATURAL SCIENTISTS	.2	.05	.0	.00	23.7	2.39	5.7	1.27	.0	.00
CHEMISTS	.1	.03	.0	.00	3.8	.39	.6	.13	.0	.00
AGRICULTURAL SCIENTISTS	.0	.01	.0	.00	.6	.06	.0	.00	.0	.00
BIOLOGICAL SCIENTISTS	.0	.01	.0	.00	5.6	.56	.2	.04	.0	.00
GEOLOGISTS,GEOPHYSICISTS	.0	.00	.0	.00	1.7	.17	.7	.16	.0	.00
MATHEMATICIANS	.0	.00	.0	.00	5.1	.51	2.6	.58	.0	.00
PHYSICISTS	.0	.00	.0	.00	4.3	.43	1.4	.31	.0	.00
OTHER NATURAL SCIENTISTS	.0	.00	.0	.00	2.6	.26	.3	.06	.0	.00
TECHNICIANS,EXC MEDICAL,DENT	1.7	.42	.0	.00	153.9	15.47	141.2	31.38	.5	.15
DRAFTSMEN	.2	.06	.0	.00	80.4	8.08	79.0	17.56	.1	.04
SURVEYORS	.0	.00	.0	.00	24.3	2.45	24.0	5.33	.0	.00
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
RADIO OPERATORS	.1	.03	.0	.00	.0	.00	.0	.01	.0	.00
TECHNICIANS,OTHER	1.3	.34	.0	.00	49.2	4.94	38.1	8.48	.3	.10
MEDICAL,OTHER HEALTH WORKERS	1.5	.39	4.3	.14	7.6	.76	.4	.09	.0	.00
DENTISTS	.0	.00	.0	.00	.1	.01	.0	.00	.0	.00
DIETICIANS,NUTRITIONISTS	.2	.06	.0	.00	.1	.01	.1	.02	.0	.00
NURSES,PROFESSIONAL	.2	.06	3.9	.12	.9	.09	.2	.04	.0	.00
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.0	.00	.0	.00	.1	.01	.0	.00	.0	.00
PHYSICIANS AND SURGEONS	.2	.05	.0	.00	1.4	.14	.0	.01	.0	.00
PSYCHOLOGISTS	.0	.00	.0	.00	3.6	.37	.0	.01	.0	.00
TECHNICIANS,MEDICAL,DENTAL	.1	.02	.0	.00	.9	.09	.0	.01	.0	.00
VETERINARIANS	.0	.00	.0	.00	.1	.01	.0	.00	.0	.00
OTHER MEDICAL,HEALTH WRKRS	.8	.19	.4	.01	.4	.04	.0	.00	.0	.00
TEACHERS	6.1	1.56	.9	.03	1.1	.11	.3	.08	.0	.00
TEACHERS,ELEMENTARY	.0	.00	.4	.01	.0	.00	.0	.00	.0	.00
TEACHERS,SECONDARY	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	6.1	1.56	.5	.02	1.1	.11	.3	.08	.0	.00
SOCIAL SCIENTISTS	.5	.13	.0	.00	2.9	.29	.4	.08	.0	.00
ECONOMISTS	.1	.02	.0	.00	.7	.07	.1	.01	.0	.00
STATISTICIANS + ACTUARIES	.3	.09	.0	.00	1.7	.17	.3	.06	.0	.00
OTHER SOCIAL SCIENTISTS	.1	.02	.0	.00	.5	.05	.0	.00	.0	.00
OTHER PROF,TECH AND KINDRED	52.7	13.51	.7	.02	348.2	34.99	67.9	15.10	183.7	60.23
ACCOUNTANTS AND AUDITORS	1.7	.42	.0	.00	189.6	19.05	3.8	.85	182.8	59.93
AIRPLANE PILOTS,NAVIGATORS	.0	.00	.0	.00	1.0	.10	.9	.20	.0	.00
ARCHITECTS	.0	.01	.0	.00	37.4	3.76	36.2	8.05	.3	.11
WRKRS IN ARTS,ENTERTAINMNT	9.2	2.37	.4	.01	62.1	6.24	2.9	.64	.0	.01
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	.0	.01	.0	.00	19.2	1.93	15.9	3.53	.2	.05
EDITORS AND REPORTERS	1.9	.48	.0	.00	3.3	.33	.9	.20	.0	.00
LAWYERS AND JUDGES	1.3	.32	.0	.00	1.3	.13	.6	.14	.1	.05
LIBRARIANS	.4	.11	.0	.00	1.1	.11	.3	.07	.1	.02
PERSONNEL AND LAB REL WRKS	.6	.16	.0	.00	1.0	.10	.3	.06	.1	.03
PHOTOGRAPHERS	.1	.04	.0	.00	2.4	.24	.6	.13	.0	.00
SOCIAL AND WELFARE WORKERS	2.3	.59	.0	.00	1.6	.16	.0	.00	.1	.03
PROF,TECH,KINDRED,NEC	35.1	8.99	.3	.01	28.3	2.84	5.5	1.23	.0	.00
MANAGERS,OFFICIALS,PROPRIETORS	81.9	20.99	1.1	.03	42.2	4.25	23.6	5.24	5.6	1.85
CONDUCTORS,RAILROAD	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CREDITMEN	.0	.01	.0	.00	.1	.01	.0	.00	.1	.03
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	1.1	.03	.0	.00	.0	.00	.0	.00
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PURCHASING AGENTS	.4	.09	.0	.00	1.3	.13	.9	.20	.0	.00
MANAGERS,OFFICE,PROP. NEC	81.5	20.89	.0	.00	40.9	4.11	22.7	5.04	5.5	1.82

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	133.8	34.31	9.9	.31	218.7	21.98	59.7	13.26	111.9	36.69
STENOS,TYPISTS,SECRETARIES	69.8	17.90	6.8	.22	100.3	10.08	35.6	7.91	43.1	14.13
OFFICE MACHINE OPERATORS	2.6	.66	.0	.00	7.8	.78	1.8	.39	2.4	.78
OTHER CLERICAL,KINDRED WRKRS	61.4	15.75	3.1	.10	110.6	11.12	22.3	4.96	66.5	21.79
ACCOUNTING CLERKS	.9	.24	.0	.00	4.8	.48	1.3	.29	2.5	.80
BOOKKEEPERS,HAND	9.7	2.48	.0	.00	51.3	5.16	1.2	.27	49.2	16.13
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	1.7	.43	.0	.00	.4	.04	.1	.03	.1	.03
MAIL CARRIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POSTAL CLERKS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHIPPING,RECEIVING CLERKS	.3	.08	.0	.00	.3	.03	.1	.03	.0	.00
TELEPHONE OPERATORS	1.7	.44	.0	.00	1.8	.19	.3	.06	.7	.24
CLERICAL AND KINDRED,NEC	47.1	12.08	3.1	.10	52.0	5.22	19.4	4.30	14.0	4.58
SALES WORKERS	3.0	.76	.0	.00	5.8	.59	1.3	.28	.5	.15
CRAFTSMEN,FOREMEN AND KINDRED	10.6	2.71	11.1	.35	32.8	3.30	20.0	4.44	.4	.13
CONSTRUCTION CRAFTSMEN	3.5	.90	7.0	.22	5.6	.56	2.6	.57	.1	.02
CARPENTERS	.9	.24	4.1	.13	.9	.09	.6	.13	.0	.00
BRICKMASONS AND TILE SETRS	.3	.07	.0	.00	.1	.01	.1	.01	.0	.00
CEMENT,CONCRETE FINISHERS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	.7	.19	.0	.00	1.3	.14	.7	.16	.0	.00
EXCAVATNG,GRADNG MACH OPER	.1	.01	.0	.00	.3	.03	.3	.06	.0	.00
PAINTERS AND PAPERHANGERS	.2	.06	2.9	.09	2.0	.20	.2	.05	.1	.02
PLASTERERS	.3	.08	.0	.00	.0	.00	.0	.00	.0	.00
PLUMBERS AND PIPEFITTERS	.8	.20	.0	.00	.9	.09	.6	.14	.0	.00
ROOFERS AND SLATERS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
STRUCTURAL METALWORKERS	.1	.02	.0	.00	.1	.01	.1	.02	.0	.00
FOREMEN NEC	.1	.02	.0	.00	4.2	.43	2.6	.57	.1	.03
METALWKNG CRAFTS EXC MECH	.2	.04	.0	.00	1.1	.11	.9	.19	.0	.00
MACHINISTS AND RELATED OCC	.0	.00	.0	.00	.1	.01	.1	.02	.0	.00
BLKSMITHS,FORGMN,HAMMERMEN	.0	.00	.0	.00	.1	.01	.0	.00	.0	.00
BOILERMAKERS	.0	.01	.0	.00	.1	.01	.1	.02	.0	.00
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MILLWRIGHTS	.0	.01	.0	.00	.1	.01	.1	.01	.0	.00
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.01	.0	.00	.1	.01	.1	.03	.0	.00
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.0	.01	.0	.00	.5	.05	.5	.11	.0	.00
TOOLMAKERS AND DIEMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRINTING TRADES CRAFTSMEN	.3	.09	.0	.00	.9	.09	.5	.11	.1	.02
COMPOSITORS,TYPESETTERS	.1	.02	.0	.00	.4	.04	.3	.07	.1	.02
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00	.2	.02	.1	.03	.0	.00
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PRESSMEN,PLATE PRINTERS	.3	.07	.0	.00	.4	.04	.1	.01	.0	.00
TRANSPORT AND PUB UTIL CRAFT	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
LINEMEN AND SERVICEMEN	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00
LOCOMOTIVE ENGINEERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	3.7	.96	3.7	.12	7.6	.76	3.2	.72	.1	.04
AIRPLANE MECH AND REPAIRMN	.0	.00	.0	.00	.3	.03	.1	.03	.0	.00
MOTOR VEHICLE MECHANICS	.1	.03	.0	.00	.9	.09	.1	.01	.0	.00
OFFICE MACHINE MECHANICS	.0	.00	.0	.00	.1	.01	.0	.00	.1	.02
RADIO AND TV MECHANICS	.1	.03	.0	.00	.2	.02	.1	.03	.0	.00
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER MECHANICS AND REPAIR	3.5	.90	3.7	.12	6.1	.61	2.9	.65	.1	.02

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	2.7	.70	.5	.01	13.4	1.35	10.3	2.28	.1	.03
BAKERS	.4	.11	.0	.00	.0	.00	.0	.00	.0	.00
CABINETMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CRANE,DERRICK,HOIST MEN	.1	.02	.0	.00	.0	.00	.0	.01	.0	.00
GLAZIERS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.1	.01	.1	.02	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.5	.14	.0	.00	.3	.03	.0	.00	.0	.00
UPHOLSTERERS	.0	.00	.0	.00	1.6	.16	1.5	.33	.0	.00
CRAFTSMEN AND KINDRED NEC	1.6	.41	.5	.01	11.4	1.14	8.6	1.92	.1	.03
OPERATIVES AND KINDRED WORKERS	6.4	1.65	6.5	.20	21.4	2.15	11.1	2.46	.3	.11
DRIVERS,OTHER TRAN AND PU OP	1.4	.36	4.8	.15	2.2	.22	1.8	.39	.0	.00
DRIVERS,BUS,TRUCK,TRACTOR	1.0	.25	.0	.00	1.2	.12	1.1	.24	.0	.00
DELIVERYMEN AND ROUTEMEN	.4	.10	4.8	.15	.9	.09	.7	.15	.0	.00
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SAILORS AND DECKHANDS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED METALWORKING OCC	.2	.06	.0	.00	.7	.07	.7	.16	.0	.00
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.1	.01	.1	.02	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.2	.06	.0	.00	.6	.06	.6	.13	.0	.00
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	4.8	1.23	1.6	.05	18.5	1.86	8.6	1.92	.3	.11
ASBESTOS,INSULATION WKRS	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
ATTEND,AUTO SERVICE,PARKNG	.3	.07	.0	.00	.0	.00	.0	.00	.0	.00
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.6	.15	.0	.00	.4	.04	.0	.00	.0	.00
MEAT CUTTERS,EXC MEATPCKNG	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	3.9	.99	1.6	.05	18.1	1.81	8.6	1.92	.3	.11
SERVICE WORKERS	86.9	22.27	2,744.4	86.44	13.0	1.30	5.1	1.13	1.2	.40
PRIVATE HOUSEHOLD WORKERS	.0	.00	2,700.0	85.04	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	3.5	.90	.3	.01	3.2	.32	.6	.14	.0	.00
FIREMEN	.9	.24	.0	.00	.2	.02	.0	.00	.0	.00
GUARDS,WATCHMEN,DOORKEEPRS	2.2	.56	.3	.01	2.4	.24	.4	.09	.0	.00
POLICE,OTH LAW ENFORCE OFF	.4	.10	.0	.00	.6	.06	.2	.05	.0	.00
FOOD SERVICE WORKERS	32.1	8.24	.0	.00	.8	.08	.0	.00	.0	.00
BARTENDERS	5.3	1.37	.0	.00	.1	.01	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	8.9	2.27	.0	.00	.3	.03	.0	.00	.0	.00
COUNTER AND FOUNTAIN WKRS	1.8	.45	.0	.00	.2	.02	.0	.00	.0	.00
WAITERS AND WAITRESSES	16.1	4.14	.0	.00	.2	.02	.0	.00	.0	.00
OTHER SERVICE WORKERS	51.2	13.14	44.0	1.39	9.0	.90	4.5	.99	1.2	.40
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.4	.11	6.5	.20	.0	.00	.0	.00	.0	.00
CHARWOMEN AND CLEANERS	3.0	.76	4.6	.14	1.7	.17	.5	.11	.7	.22
JANITORS AND SEXTONS	16.3	4.19	7.5	.24	4.2	.42	2.4	.52	.3	.11
NURSES,PRACTICAL	.1	.03	23.2	.73	.1	.01	.0	.00	.0	.00
SERVICE WORKERS,NEC	31.3	8.04	2.2	.07	3.1	.31	1.6	.35	.2	.08
LABORERS,EXCEPT FARM AND MINE	2.5	.65	396.2	12.48	2.4	.24	1.3	.30	.1	.02
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLI ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	240.0	100.00	5,140.0	100.00	2,350.0	100.00	810.0	100.00	1,540.0	100.00
PROFESSIONAL TECHNICAL,KINDRED	145.7	60.72	913.5	17.77	429.3	18.27	11.1	1.37	418.2	27.16
ENGINEERS,TECHNICAL	8.4	3.51	109.0	2.12	78.6	3.34	.3	.03	78.3	5.08
ENGINEERS,AERONAUTICAL	.2	.08	14.8	.29	14.8	.63	.0	.00	14.8	.96
ENGINEERS,CHEMICAL	.6	.23	1.0	.02	1.0	.04	.0	.00	1.0	.07
ENGINEERS,CIVIL	.3	.14	34.6	.67	11.8	.50	.0	.00	11.8	.77
ENGINEERS,ELECTRICAL	2.3	.95	23.2	.45	21.0	.89	.0	.00	21.0	1.37
ENGINEERS,INDUSTRIAL	.5	.22	6.1	.12	3.5	.15	.3	.03	3.2	.21
ENGINEERS,MECHANICAL	1.0	.43	12.2	.24	11.0	.47	.0	.00	11.0	.72
ENGINEERS,METALLURG,ETC	.9	.36	.5	.01	.5	.02	.0	.00	.5	.03
ENGINEERS,MINING	.0	.01	.6	.01	.6	.02	.0	.00	.6	.04
OTHER ENGINEERS,TECHNICAL	2.6	1.10	16.0	.31	14.3	.61	.0	.00	14.3	.93
NATURAL SCIENTISTS	18.0	7.51	60.0	1.17	46.6	1.98	.0	.00	46.6	3.02
CHEMISTS	3.3	1.36	7.7	.15	6.7	.28	.0	.00	6.7	.43
AGRICULTURAL SCIENTISTS	.6	.25	16.0	.31	11.4	.48	.0	.00	11.4	.74
BIOLOGICAL SCIENTISTS	5.4	2.25	12.3	.24	7.5	.32	.0	.00	7.5	.49
GEOLOGISTS,GEOPHYSICISTS	1.0	.42	4.9	.10	3.3	.14	.0	.00	3.3	.22
MATHEMATICIANS	2.5	1.04	6.4	.12	5.5	.23	.0	.00	5.5	.36
PHYSICISTS	2.9	1.21	6.9	.13	6.9	.29	.0	.00	6.9	.45
OTHER NATURAL SCIENTISTS	2.4	.98	5.8	.11	5.3	.22	.0	.00	5.3	.34
TECHNICIANS,EXC MEDICAL,DENT	12.3	5.12	139.1	2.71	84.4	3.59	.3	.04	84.1	5.46
DRAFTSMEN	1.2	.52	10.2	.20	3.6	.15	.1	.01	3.5	.23
SURVEYORS	.3	.14	15.1	.29	3.6	.15	.0	.00	3.6	.24
AIR TRAFFIC CONTROLLERS	.0	.00	13.3	.26	13.3	.57	.0	.00	13.3	.86
RADIO OPERATORS	.0	.00	15.2	.30	2.9	.13	.0	.00	2.9	.19
TECHNICIANS,OTHER	10.7	4.46	85.3	1.66	60.9	2.59	.3	.03	60.7	3.94
MEDICAL,OTHER HEALTH WORKERS	7.2	3.00	25.4	.49	11.2	.48	.2	.02	11.0	.72
DENTISTS	.1	.04	.8	.02	.4	.02	.0	.00	.4	.03
DIETICIANS,NUTRITIONISTS	.0	.00	.4	.01	.3	.01	.0	.00	.3	.02
NURSES,PROFESSIONAL	.7	.31	6.5	.13	2.1	.09	.2	.02	2.0	.13
OPTOMETRISTS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OSTEOPATHS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PHARMACISTS	.1	.04	.9	.02	.4	.02	.0	.00	.4	.03
PHYSICIANS AND SURGEONS	1.3	.56	5.0	.10	2.1	.09	.0	.00	2.1	.14
PSYCHOLOGISTS	3.6	1.50	3.9	.08	.4	.02	.0	.00	.4	.03
TECHNICIANS,MEDICAL,DENTAL	.8	.35	2.9	.06	1.8	.08	.0	.00	1.8	.12
VETERINARIANS	.1	.03	3.9	.08	3.1	.13	.0	.00	3.1	.20
OTHER MEDICAL,HEALTH WRKRS	.4	.17	1.1	.02	.5	.02	.0	.00	.5	.03
TEACHERS	.7	.31	25.0	.49	13.9	.59	.0	.00	13.9	.91
TEACHERS,ELEMENTARY	.0	.00	.1	.00	.1	.01	.0	.00	.1	.01
TEACHERS,SECONDARY	.0	.00	1.8	.03	1.8	.08	.0	.00	1.8	.12
TEACHERS,COLLEGE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
TEACHERS,OTHER	.7	.31	23.1	.45	12.0	.51	.0	.00	12.0	.78
SOCIAL SCIENTISTS	2.5	1.05	22.2	.43	16.1	.69	.0	.00	16.1	1.05
ECONOMISTS	.7	.27	8.7	.17	7.0	.30	.0	.00	7.0	.46
STATISTICIANS + ACTUARIES	1.4	.59	8.7	.17	5.6	.24	.0	.00	5.6	.36
OTHER SOCIAL SCIENTISTS	.5	.19	4.8	.09	3.5	.15	.0	.00	3.5	.23
OTHER PROF,TECH AND KINDRED	96.5	40.22	533.0	10.37	178.5	7.59	10.3	1.27	168.1	10.92
ACCOUNTANTS AND AUDITORS	2.9	1.23	91.6	1.78	44.5	1.89	3.9	.48	40.6	2.64
AIRPLANE PILOTS,NAVIGATORS	.1	.04	3.7	.07	2.2	.10	.0	.00	2.2	.15
ARCHITECTS	.8	.35	1.5	.03	.8	.04	.0	.00	.8	.05
WRKRS IN ARTS,ENTERTAINMNT	59.2	24.65	8.0	.16	5.4	.23	.0	.00	5.4	.35
CLERGYMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DESIGNERS,EXC DESIGN DRAFT	3.2	1.32	.8	.02	.3	.01	.0	.00	.3	.02
EDITORS AND REPORTERS	2.4	.99	5.3	.10	4.1	.18	.0	.00	4.1	.27
LAWYERS AND JUDGES	.6	.24	48.0	.93	13.6	.58	.1	.01	13.6	.88
LIBRARIANS	.7	.29	2.7	.05	1.9	.08	.0	.00	1.9	.12
PERSONNEL AND LAB REL WRKS	.6	.26	60.8	1.18	17.1	.73	1.6	.19	15.5	1.01
PHOTOGRAPHERS	1.8	.75	3.6	.07	2.5	.11	.0	.00	2.5	.16
SOCIAL AND WELFARE WORKERS	1.5	.63	143.1	2.78	1.6	.07	.0	.00	1.6	.10
PROF,TECH,KINDRED,NEC	22.7	9.47	163.7	3.18	84.4	3.59	4.8	.59	79.6	5.17
MANAGERS,OFFICIALS,PROPRIETORS	13.0	5.43	515.7	10.03	185.9	7.91	45.2	5.58	140.6	9.13
CONDUCTORS,RAILROAD	.0	.00	.2	.00	.2	.01	.0	.00	.2	.01
CREDITMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OFFICERS,PILOTS,ENGRS,SHIP	.0	.01	.3	.01	.3	.01	.0	.00	.3	.02
POSTMASTERS AND ASSISTANTS	.0	.00	34.2	.67	34.2	1.46	34.2	4.22	.0	.00
PURCHASING AGENTS	.4	.16	11.9	.23	7.2	.31	.0	.00	7.2	.47
MANAGERS,OFFICE,PROP. NEC	12.6	5.26	469.2	9.13	144.0	6.13	11.0	1.36	133.0	8.64

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLI ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	47.1	19.62	1,978.3	38.49	1,251.9	53.27	662.9	81.84	588.9	38.24
STENOS,TYPISTS,SECRETARIES	21.6	9.00	443.8	8.63	173.5	7.38	2.5	.31	171.0	11.10
OFFICE MACHINE OPERATORS	3.7	1.53	61.4	1.20	19.3	.82	2.3	.28	17.1	1.11
OTHER CLERICAL,KINDRED WRKRS	21.8	9.08	1,473.1	28.66	1,059.1	45.07	658.2	81.25	400.9	26.03
ACCOUNTING CLERKS	1.0	.43	53.9	1.05	24.9	1.06	4.3	.53	20.7	1.34
BOOKKEEPERS,HAND	.9	.39	.0	.00	.0	.00	.0	.00	.0	.00
BANK TELLERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
CASHIERS	.2	.08	9.3	.18	1.5	.06	.0	.00	1.5	.10
MAIL CARRIERS	.0	.00	290.0	5.64	290.0	12.34	290.0	35.80	.0	.00
POSTAL CLERKS	.0	.00	340.0	6.61	340.0	14.47	340.0	41.98	.0	.00
SHIPPING,RECEIVING CLERKS	.1	.06	3.7	.07	3.1	.13	.0	.00	3.1	.20
TELEPHONE OPERATORS	.9	.36	14.2	.28	4.9	.21	.1	.01	4.8	.31
CLERICAL AND KINDRED,NEC	18.6	7.76	762.0	14.83	394.7	16.80	23.8	2.94	370.9	24.08
SALES WORKERS	4.1	1.71	5.2	.10	1.9	.08	.0	.00	1.9	.13
CRAFTSMEN,FOREMEN AND KINDRED	12.4	5.18	413.4	8.04	237.9	10.12	10.6	1.30	227.4	14.76
CONSTRUCTION CRAFTSMEN	2.9	1.22	83.6	1.63	52.8	2.25	.4	.06	52.3	3.40
CARPENTERS	.4	.15	12.5	.24	8.0	.34	.2	.02	7.8	.51
BRICKMASONS AND TILE SETRS	.0	.00	1.2	.02	.6	.03	.0	.00	.6	.04
CEMENT,CONCRETE FINISHERS	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00
ELECTRICIANS	.6	.26	25.4	.49	19.2	.82	.2	.03	19.0	1.23
EXCAVATNG,GRADNG MACH OPER	.0	.00	9.9	.19	3.7	.16	.0	.00	3.7	.24
PAINTERS AND PAPERHANGERS	1.7	.71	18.8	.36	9.9	.42	.1	.01	9.8	.64
PLASTERERS	.0	.00	.5	.01	.2	.01	.0	.00	.2	.01
PLUMBERS AND PIPEFITTERS	.2	.10	14.3	.28	10.5	.45	.0	.00	10.5	.68
ROOFERS AND SLATERS	.0	.00	.6	.01	.3	.01	.0	.00	.3	.02
STRUCTURAL METALWORKERS	.0	.00	.3	.01	.3	.01	.0	.00	.3	.02
FOREMEN NEC	1.6	.67	44.4	.86	21.1	.90	.0	.00	21.1	1.37
METALWKNG CRAFTS EXC MECH	.2	.08	24.6	.48	22.0	.94	.1	.01	21.9	1.42
MACHINISTS AND RELATED OCC	.0	.01	9.9	.19	8.3	.35	.1	.01	8.2	.53
BLKSMITHS,FORGMN,HAMMERMEN	.1	.04	.5	.01	.2	.01	.0	.00	.2	.01
BOILERMAKERS	.0	.00	.2	.00	.2	.01	.0	.00	.2	.01
HEAT TREATERS,ANNEALERS	.0	.00	.3	.01	.3	.01	.0	.00	.3	.02
MILLWRIGHTS	.1	.03	.2	.00	.2	.01	.0	.00	.2	.01
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PATTERNMAKERS,METAL,WOOD	.0	.00	2.3	.04	2.2	.09	.0	.00	2.2	.14
ROLLERS AND ROLL HANDS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SHEET METAL WORKERS	.0	.00	10.2	.20	9.7	.41	.0	.00	9.7	.63
TOOLMAKERS AND DIEMAKERS	.0	.00	1.0	.02	.9	.04	.0	.00	.9	.06
PRINTING TRADES CRAFTSMEN	.4	.15	7.0	.14	4.9	.21	.0	.00	4.9	.32
COMPOSITORS,TYPESETTERS	.0	.01	3.4	.07	1.8	.08	.0	.00	1.8	.12
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ENGRAVERS EXC PHOTOENGRVER	.0	.02	.6	.01	.6	.02	.0	.00	.6	.04
PHOTOENGRVRS,LITHOGRAPHERS	.0	.00	.9	.02	.8	.03	.0	.00	.8	.05
PRESSMEN,PLATE PRINTERS	.3	.12	2.2	.04	1.7	.07	.0	.00	1.7	.11
TRANSPORT AND PUB UTIL CRAFT	.0	.00	5.1	.10	3.3	.14	.0	.00	3.3	.21
LINEMEN AND SERVICEMEN	.0	.00	4.8	.09	3.3	.14	.0	.00	3.3	.21
LOCOMOTIVE ENGINEERS	.0	.00	.2	.00	.0	.00	.0	.00	.0	.00
LOCOMOTIVE FIREMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MECHANICS AND REPAIRMEN	4.2	1.76	208.9	4.06	114.1	4.85	5.6	.69	108.5	7.05
AIRPLANE MECH AND REPAIRMN	.1	.05	42.6	.83	36.6	1.56	.0	.00	36.6	2.38
MOTOR VEHICLE MECHANICS	.8	.35	21.1	.41	6.7	.28	2.3	.29	4.3	.28
OFFICE MACHINE MECHANICS	.1	.03	.7	.01	.4	.02	.0	.00	.4	.03
RADIO AND TV MECHANICS	.1	.04	13.8	.27	9.1	.39	.1	.01	9.0	.58
RR AND CAR SHOP MECHANICS	.0	.00	.1	.00	.1	.01	.0	.00	.1	.01
OTHER MECHANICS AND REPAIR	3.1	1.31	130.5	2.54	61.2	2.60	3.1	.39	58.0	3.77

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued

(Employees in thousands)

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLI ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	3.1	1.29	39.9	.78	19.8	.84	4.5	.55	15.3	1.00
BAKERS	.0	.00	.6	.01	.3	.01	.0	.00	.3	.02
CABINETMAKERS	.0	.00	1.1	.02	.8	.04	.0	.00	.8	.05
CRANE,DERRICK,HOIST MEN	.0	.00	1.7	.03	1.2	.05	.0	.00	1.2	.08
GLAZIERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LOOM FIXERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPTICIANS,LENS GRINDERS	.0	.00	.1	.00	.1	.01	.0	.00	.1	.01
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,OTHER	.3	.14	.0	.00	.0	.00	.0	.00	.0	.00
UPHOLSTERERS	.1	.05	1.0	.02	.9	.04	.0	.00	.9	.06
CRAFTSMEN AND KINDRED NEC	2.6	1.10	35.4	.69	16.4	.70	4.5	.55	11.9	.77
OPERATIVES AND KINDRED WORKERS	10.0	4.15	149.0	2.90	79.1	3.37	10.5	1.30	68.6	4.45
DRIVERS,OTHER TRAN AND PU OP	.4	.16	57.1	1.11	24.2	1.03	5.0	.62	19.2	1.25
DRIVERS,BUS,TRUCK,TRACTOR	.2	.07	50.9	.99	21.3	.91	5.0	.62	16.3	1.06
DELIVERYMEN AND ROUTEMEN	.2	.08	4.9	.10	2.0	.09	.0	.00	2.0	.13
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
POWER STATION OPERATORS	.0	.00	.7	.01	.5	.02	.0	.00	.5	.03
SAILORS AND DECKHANDS	.0	.02	.6	.01	.4	.02	.0	.00	.4	.03
SEMISKILLED METALWORKING OCC	.0	.01	5.6	.11	5.0	.21	.0	.00	5.0	.33
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
HEATERS,METAL	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WELDERS AND FLAME-CUTTERS	.0	.01	5.6	.11	5.0	.21	.0	.00	5.0	.33
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ELECTROPLATERS HELPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SPINNERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
WEAVERS,TEXTILE	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
SEWERS AND STICHERS,MFG	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OTHER OPERATIVES AND KINDRED	9.5	3.98	86.3	1.68	49.9	2.12	5.5	.68	44.4	2.88
ASBESTOS,INSULATION WKRS	.0	.00	.1	.00	.1	.01	.0	.00	.1	.01
ATTEND,AUTO SERVICE,PARKNG	.0	.00	1.4	.03	.1	.01	.0	.00	.1	.01
BLASTERS AND POWDERMEN	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
LAUNDRY,DRY CLEANING OPER	.4	.18	1.9	.04	1.3	.06	.0	.00	1.3	.09
MEAT CUTTERS,EXC MEATPCKNG	.0	.00	1.0	.02	.9	.04	.0	.00	.9	.06
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
OPERATIVES AND KINDRED,NEC	9.1	3.80	81.9	1.59	47.4	2.02	5.5	.68	41.9	2.72
SERVICE WORKERS	6.7	2.77	1,015.2	19.75	75.7	3.22	14.7	1.82	61.0	3.96
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
PROTECTIVE SERVICE WORKERS	2.5	1.06	883.8	17.20	31.3	1.33	.9	.11	30.4	1.98
FIREMEN	.2	.09	243.6	4.74	7.1	.30	.0	.00	7.1	.46
GUARDS,WATCHMEN,DOORKEEPRS	2.0	.82	151.7	2.95	10.1	.43	.6	.07	9.6	.62
POLICE,OTH LAW ENFORCE OFF	.4	.15	488.6	9.51	14.1	.60	.3	.04	13.7	.89
FOOD SERVICE WORKERS	.8	.34	15.7	.31	7.7	.33	.0	.00	7.7	.50
BARTENDERS	.1	.06	.0	.00	.0	.00	.0	.00	.0	.00
COOKS,EXC PRIV HOUSEHOLDS	.3	.13	11.8	.23	4.8	.21	.0	.00	4.8	.31
COUNTER AND FOUNTAIN WKRS	.2	.08	1.4	.03	1.0	.04	.0	.00	1.0	.06
WAITERS AND WAITRESSES	.2	.08	2.5	.05	1.8	.08	.0	.00	1.8	.12
OTHER SERVICE WORKERS	3.3	1.37	115.6	2.25	36.7	1.56	13.8	1.71	22.9	1.49
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
ATTENDANTS,HOSP,OTHER INST	.0	.00	5.8	.11	1.8	.08	.0	.00	1.8	.12
CHARWOMEN AND CLEANERS	.5	.22	9.5	.19	2.4	.10	.0	.00	2.4	.15
JANITORS AND SEXTONS	1.5	.62	39.5	.77	8.8	.38	.0	.00	8.8	.57
NURSES,PRACTICAL	.1	.02	2.8	.05	.3	.01	.0	.00	.3	.02
SERVICE WORKERS,NEC	1.2	.51	58.0	1.13	23.5	1.00	13.8	1.71	9.6	.63
LABORERS,EXCEPT FARM AND MINE	1.0	.40	149.6	2.91	88.3	3.76	55.0	6.79	33.3	2.16
FARMERS AND FARM WORKERS	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION							
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
INDUSTRY TOTAL	910.0	100.00	1,880.0	100.00						
PROFESSIONAL TECHNICAL,KINDRED	255.2	28.04	229.1	12.18						
ENGINEERS,TECHNICAL	3.6	.40	26.8	1.43						
ENGINEERS,AERONAUTICAL	.0	.00	.0	.00						
ENGINEERS,CHEMICAL	.0	.00	.0	.00						
ENGINEERS,CIVIL	1.9	.21	20.8	1.11						
ENGINEERS,ELECTRICAL	1.1	.13	1.0	.05						
ENGINEERS,INDUSTRIAL	.0	.00	2.6	.14						
ENGINEERS,MECHANICAL	.3	.03	.9	.05						
ENGINEERS,METALLURG,ETC	.0	.00	.0	.00						
ENGINEERS,MINING	.0	.00	.0	.00						
OTHER ENGINEERS,TECHNICAL	.2	.02	1.5	.08						
NATURAL SCIENTISTS	12.1	1.33	1.3	.07						
CHEMISTS	.8	.09	.2	.01						
AGRICULTURAL SCIENTISTS	4.2	.46	.4	.02						
BIOLOGICAL SCIENTISTS	4.6	.50	.2	.01						
GEOLOGISTS,GEOPHYSICISTS	1.4	.15	.2	.01						
MATHEMATICIANS	.7	.08	.2	.01						
PHYSICISTS	.0	.00	.0	.00						
OTHER NATURAL SCIENTISTS	.5	.05	.0	.00						
TECHNICIANS,EXC MEDICAL,DENT	22.6	2.48	32.0	1.70						
DRAFTSMEN	.6	.07	5.9	.32						
SURVEYORS	1.4	.15	10.1	.54						
AIR TRAFFIC CONTROLLERS	.0	.00	.0	.00						
RADIO OPERATORS	3.7	.40	8.6	.46						
TECHNICIANS,OTHER	16.9	1.86	7.4	.40						
MEDICAL,OTHER HEALTH WORKERS	9.1	1.00	5.1	.27						
DENTISTS	.4	.04	.0	.00						
DIETICIANS,NUTRITIONISTS	.1	.01	.0	.00						
NURSES,PROFESSIONAL	2.6	.28	1.8	.10						
OPTOMETRISTS	.0	.00	.0	.00						
OSTEOPATHS	.0	.00	.0	.00						
PHARMACISTS	.3	.03	.2	.01						
PHYSICIANS AND SURGEONS	1.7	.19	1.2	.06						
PSYCHOLOGISTS	2.2	.24	1.2	.07						
TECHNICIANS,MEDICAL,DENTAL	.9	.10	.2	.01						
VETERINARIANS	.5	.06	.2	.01						
OTHER MEDICAL,HEALTH WRKRS	.5	.05	.2	.01						
TEACHERS	6.2	.68	4.8	.26						
TEACHERS,ELEMENTARY	.0	.00	.0	.00						
TEACHERS,SECONDARY	.0	.00	.0	.00						
TEACHERS,COLLEGE	.0	.00	.0	.00						
TEACHERS,OTHER	6.2	.68	4.8	.26						
SOCIAL SCIENTISTS	5.0	.55	1.0	.05						
ECONOMISTS	1.5	.17	.1	.01						
STATISTICIANS + ACTUARIES	2.7	.30	.4	.02						
OTHER SOCIAL SCIENTISTS	.8	.09	.5	.03						
OTHER PROF,TECH AND KINDRED	196.5	21.59	158.0	8.40						
ACCOUNTANTS AND AUDITORS	33.4	3.67	13.7	.73						
AIRPLANE PILOTS,NAVIGATORS	1.5	.16	.0	.00						
ARCHITECTS	.4	.04	.2	.01						
WRKRS IN ARTS,ENTERTAINMNT	1.2	.13	1.5	.08						
CLERGYMEN	.0	.00	.0	.00						
DESIGNERS,EXC DESIGN DRAFT	.1	.01	.4	.02						
EDITORS AND REPORTERS	.8	.09	.4	.02						
LAWYERS AND JUDGES	17.1	1.88	17.3	.92						
LIBRARIANS	.8	.09	.0	.00						
PERSONNEL AND LAB REL WRKS	39.7	4.36	4.1	.22						
PHOTOGRAPHERS	.6	.07	.5	.03						
SOCIAL AND WELFARE WORKERS	50.9	5.59	90.6	4.82						
PROF,TECH,KINDRED,NEC	50.0	5.50	29.2	1.55						
MANAGERS,OFFICIALS,PROPRIETORS	103.5	11.37	226.4	12.04						
CONDUCTORS,RAILROAD	.0	.00	.0	.00						
CREDITMEN	.0	.00	.0	.00						
OFFICERS,PILOTS,ENGRS,SHIP	.0	.00	.0	.00						
POSTMASTERS AND ASSISTANTS	.0	.00	.0	.00						
PURCHASING AGENTS	1.9	.21	2.7	.15						
MANAGERS,OFFICE,PROP. NEC	101.6	11.16	223.7	11.90						

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries by Number and Percent—Continued
(Employees in thousands)

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION							
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CLERICAL AND KINDRED WORKERS	313.3	34.43	413.2	21.98						
STENOS,TYPISTS,SECRETARIES	112.9	12.41	157.4	8.37						
OFFICE MACHINE OPERATORS	27.7	3.04	14.4	.77						
OTHER CLERICAL,KINDRED WRKRS	172.7	18.98	241.3	12.84						
ACCOUNTING CLERKS	11.3	1.25	17.6	.94						
BOOKKEEPERS,HAND	.0	.00	.0	.00						
BANK TELLERS	.0	.00	.0	.00						
CASHIERS	2.0	.22	5.9	.31						
MAIL CARRIERS	.0	.00	.0	.00						
POSTAL CLERKS	.0	.00	.0	.00						
SHIPPING,RECEIVING CLERKS	.5	.05	.2	.01						
TELEPHONE OPERATORS	2.9	.32	6.3	.34						
CLERICAL AND KINDRED,NEC	156.0	17.14	211.3	11.24						
SALES WORKERS	1.8	.20	1.4	.08						
CRAFTSMEN,FOREMEN AND KINDRED	64.3	7.07	111.2	5.92						
CONSTRUCTION CRAFTSMEN	7.1	.78	23.7	1.26						
CARPENTERS	1.3	.15	3.2	.17						
BRICKMASONS AND TILE SETRS	.4	.04	.2	.01						
CEMENT,CONCRETE FINISHERS	.1	.01	.0	.00						
ELECTRICIANS	1.4	.16	4.7	.25						
EXCAVATNG,GRADNG MACH OPER	.9	.10	5.3	.28						
PAINTERS AND PAPERHANGERS	1.9	.21	6.9	.37						
PLASTERERS	.0	.00	.3	.01						
PLUMBERS AND PIPEFITTERS	1.0	.11	2.9	.15						
ROOFERS AND SLATERS	.1	.01	.2	.01						
STRUCTURAL METALWORKERS	.0	.00	.0	.00						
FOREMEN NEC	10.1	1.11	13.1	.70						
METALWKNG CRAFTS EXC MECH	.7	.07	1.9	.10						
MACHINISTS AND RELATED OCC	.3	.03	1.3	.07						
BLKSMITHS,FORGMN,HAMMERMEN	.1	.01	.2	.01						
BOILERMAKERS	.0	.00	.0	.00						
HEAT TREATERS,ANNEALERS	.0	.00	.0	.00						
MILLWRIGHTS	.0	.00	.0	.00						
MOLDERS,METAL,EXC COREMKRS	.0	.00	.0	.00						
PATTERNMAKERS,METAL,WOOD	.1	.01	.0	.00						
ROLLERS AND ROLL HANDS	.0	.00	.0	.00						
SHEET METAL WORKERS	.1	.01	.4	.02						
TOOLMAKERS AND DIEMAKERS	.1	.01	.0	.00						
PRINTING TRADES CRAFTSMEN	.8	.09	1.3	.07						
COMPOSITORS,TYPESETTERS	.5	.05	1.1	.06						
ELECTROTYPERS,STEREOTYPERS	.0	.00	.0	.00						
ENGRAVERS EXC PHOTOENGRVER	.0	.00	.0	.00						
PHOTOENGRVRS,LITHOGRAPHERS	.1	.01	.0	.00						
PRESSMEN,PLATE PRINTERS	.3	.03	.2	.01						
TRANSPORT AND PUB UTIL CRAFT	.1	.01	1.7	.09						
LINEMEN AND SERVICEMEN	.1	.01	1.5	.08						
LOCOMOTIVE ENGINEERS	.0	.00	.2	.01						
LOCOMOTIVE FIREMEN	.0	.00	.0	.00						
MECHANICS AND REPAIRMEN	31.3	3.44	63.5	3.38						
AIRPLANE MECH AND REPAIRMN	6.0	.66	.0	.00						
MOTOR VEHICLE MECHANICS	3.9	.42	10.5	.56						
OFFICE MACHINE MECHANICS	.3	.04	.0	.00						
RADIO AND TV MECHANICS	3.6	.39	1.2	.06						
RR AND CAR SHOP MECHANICS	.0	.00	.0	.00						
OTHER MECHANICS AND REPAIR	17.6	1.93	51.8	2.76						

Projected Occupational Composition of Industry Employment for 1975, and Detailed Occupations and Industries bv Number and Percent—Continued

(Employees in thousands)

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION							
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER CRAFTSMEN AND KINDRED	14.1	1.55	6.0	.32						
BAKERS	.1	.01	.2	.01						
CABINETMAKERS	.1	.01	.2	.01						
CRANE,DERRICK,HOIST MEN	.0	.00	.4	.02						
GLAZIERS	.0	.00	.0	.00						
JEWELERS AND WATCHMAKERS	.0	.00	.0	.00						
LOOM FIXERS	.0	.00	.0	.00						
OPTICIANS,LENS GRINDERS	.0	.00	.0	.00						
INSPECTORS,LOG AND LUMBER	.0	.00	.0	.00						
INSPECTORS,OTHER	.0	.00	.0	.00						
UPHOLSTERERS	.1	.01	.0	.00						
CRAFTSMEN AND KINDRED NEC	13.8	1.52	5.1	.27						
OPERATIVES AND KINDRED WORKERS	13.2	1.45	56.8	3.02						
DRIVERS,OTHER TRAN AND PU OP	2.5	.28	30.4	1.62						
DRIVERS,BUS,TRUCK,TRACTOR	2.0	.22	27.7	1.47						
DELIVERYMEN AND ROUTEMEN	.4	.04	2.5	.13						
BRAKEMEN AND SWITCHMEN RR	.0	.00	.0	.00						
POWER STATION OPERATORS	.0	.00	.2	.01						
SAILORS AND DECKHANDS	.2	.02	.0	.00						
SEMISKILLED METALWORKING OCC	.3	.03	.2	.01						
FURNACEMN,SMELTRMN,POURERS	.0	.00	.0	.00						
HEATERS,METAL	.0	.00	.0	.00						
WELDERS AND FLAME-CUTTERS	.3	.03	.2	.01						
ASSEMBLERS,MTLWRK,CLASS A	.0	.00	.0	.00						
ASSEMBLERS,MTLWRK,CLASS B	.0	.00	.0	.00						
INSPECTORS,MTLWRK,CLASS B	.0	.00	.0	.00						
MACHINE TOOL OPER,CLASS B	.0	.00	.0	.00						
ELECTROPLATERS	.0	.00	.0	.00						
ELECTROPLATERS HELPERS	.0	.00	.0	.00						
SEMISKILLED TEXTILE OCCUP	.0	.00	.0	.00						
KNITTERS,LOOPERS,TOPPERS	.0	.00	.0	.00						
SPINNERS,TEXTILE	.0	.00	.0	.00						
WEAVERS,TEXTILE	.0	.00	.0	.00						
SEWERS AND STICHERS,MFG	.0	.00	.0	.00						
OTHER OPERATIVES AND KINDRED	10.3	1.13	26.1	1.39						
ASBESTOS,INSULATION WKRS	.0	.00	.0	.00						
ATTEND,AUTO SERVICE,PARKNG	.1	.01	1.1	.06						
BLASTERS AND POWDERMEN	.0	.00	.0	.00						
LAUNDRY,DRY CLEANING OPER	.4	.04	.2	.01						
MEAT CUTTERS,EXC MEATPCKNG	.1	.01	.0	.00						
MINE OPERATVS,LABORERS,NEC	.0	.00	.0	.00						
OPERATIVES AND KINDRED,NEC	9.8	1.08	24.8	1.32						
SERVICE WORKERS	149.8	16.47	789.6	42.00						
PRIVATE HOUSEHOLD WORKERS	.0	.00	.0	.00						
PROTECTIVE SERVICE WORKERS	118.8	13.06	733.7	39.03						
FIREMEN	1.8	.20	234.6	12.48						
GUARDS,WATCHMEN,DOORKEEPRS	58.7	6.45	82.9	4.41						
POLICE,OTH LAW ENFORCE OFF	58.3	6.41	416.2	22.14						
FOOD SERVICE WORKERS	2.9	.32	5.1	.27						
BARTENDERS	.0	.00	.0	.00						
COOKS,EXC PRIV HOUSEHOLDS	2.2	.24	4.8	.25						
COUNTER AND FOUNTAIN WKRS	.2	.03	.2	.01						
WAITERS AND WAITRESSES	.5	.06	.2	.01						
OTHER SERVICE WORKERS	28.1	3.09	50.8	2.70						
AIRLINE STEWARDS,STWRDSSES	.0	.00	.0	.00						
ATTENDANTS,HOSP,OTHER INST	3.3	.36	.8	.04						
CHARWOMEN AND CLEANERS	1.3	.14	5.8	.31						
JANITORS AND SEXTONS	10.7	1.17	20.0	1.06						
NURSES,PRACTICAL	1.4	.15	1.1	.06						
SERVICE WORKERS,NEC	11.4	1.26	23.1	1.23						
LABORERS,EXCEPT FARM AND MINE	9.0	.98	52.3	2.78						
FARMERS AND FARM WORKERS	.0	.00	.0	.0						

Zero in a cell means less than 50 employees or less than .005 percent Employment may or may not be zero. Detail may not add to totals due to rounding.

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